

Madison, Wisconsin

INDEX OF SHEETS

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| SHEET NO. MN-1    | MAINTENANCE MAP<br>(CITY USE ONLY) |

| CONVENTIONAL SIGNS                                |         |
|---|---------|
| FIELD VERIFY ALL UTILITY LOCATIONS                |         |
| GAS   | — G —   |
| STORM SEWER                                       | — ST —  |
| SANITARY SEWER                                    | — SAN — |
| WATER   | — W —   |
| BURIED ELECTRIC                                   | — E —   |
| OVERHEAD ELECTRIC                                 | — OH —  |
| POWER POLE  | □       |
| ADA COMPLIANT RAMP W/<br>DETECTABLE WARNING FIELD | ▣       |
| COMBUSTIBLE FLUIDS                                | ☀       |

NOTES:  
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

# CITY OF MADISON

## CITY ENGINEERING DIVISION

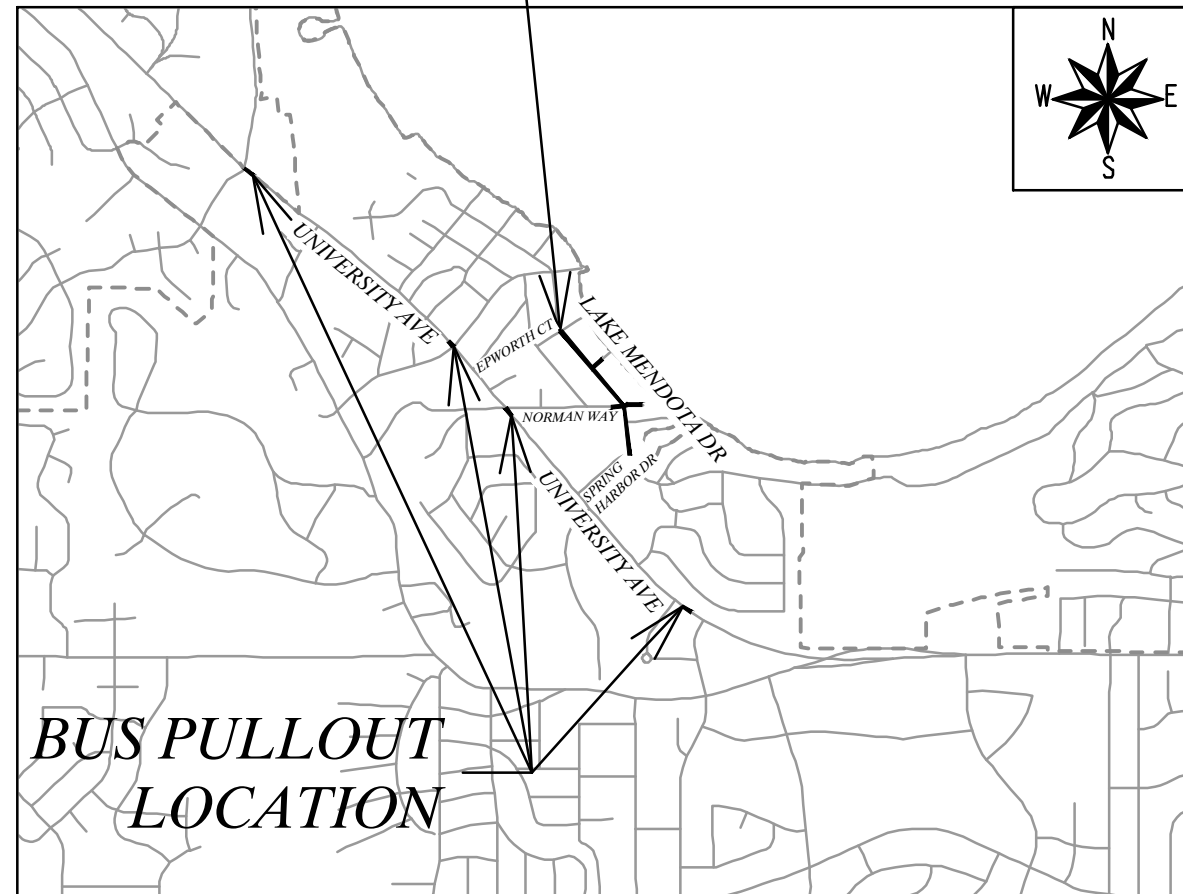
### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

PROJECT LOCATION

CITY PROJECT NO. 14083  
CONTRACT NO. 8743



BUS PULLOUT LOCATION

EARTHWORK SUMMARY (GENERAL):

|   |          |
|---|----------|
| EXCAVATION CUT (MEASURED PLAN QUANTITY) ..... | 3,300 CY |
| ESTIMATED UNDISTRIBUTED UNDERCUT .....        | 760 CY   |
| TOTAL UNCLASSIFIED EXCAVATION CUT .....       | 4,060 CY |

EARTHWORK SUMMARY (FOR STORMWATER FEATURES ONLY):

|   |        |
|---|--------|
| EXCAVATION CUT (MEASURED PLAN QUANTITY) ..... | 154 CY |
|---|--------|

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 23, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Feb 6, 2024

City Engineer

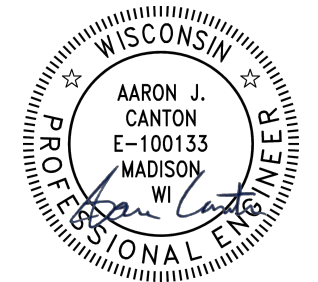
Date

WATER DESIGNED BY:



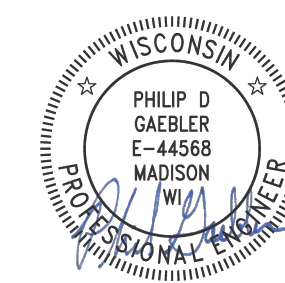
Feb 6, 2024

STREET DESIGNED BY:



Feb 6, 2024

GREEN INFRASTRUCTURE DESIGNED BY:



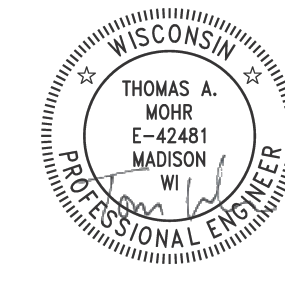
Feb 6, 2024

SANITARY SEWER DESIGNED BY:



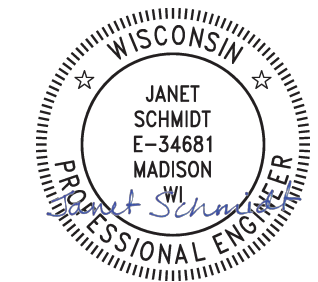
Feb 6, 2024

STREET GEOMETRICS, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DESIGNED BY:



Feb 6, 2024

STORM SEWER DESIGNED BY:



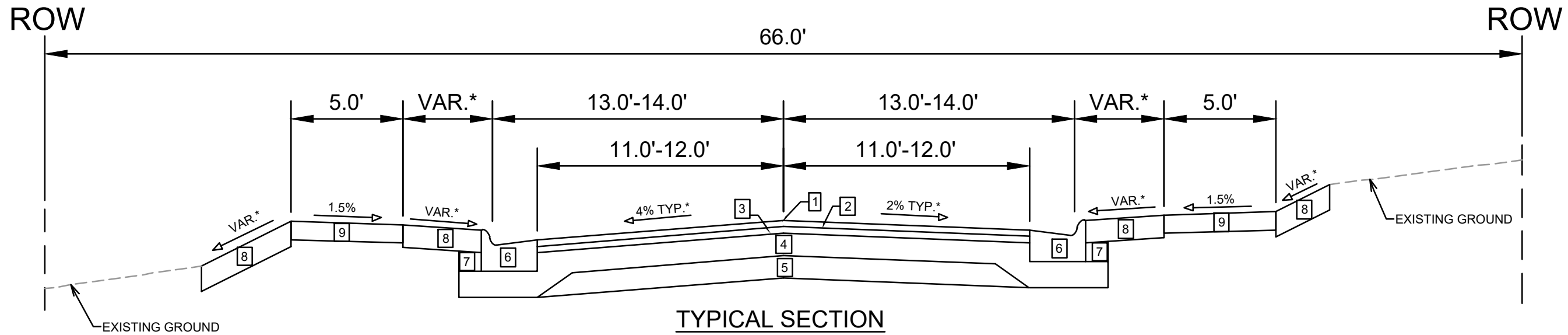
Feb 6, 2024

PLOT SCALE: 1 INCH = 100 FEET

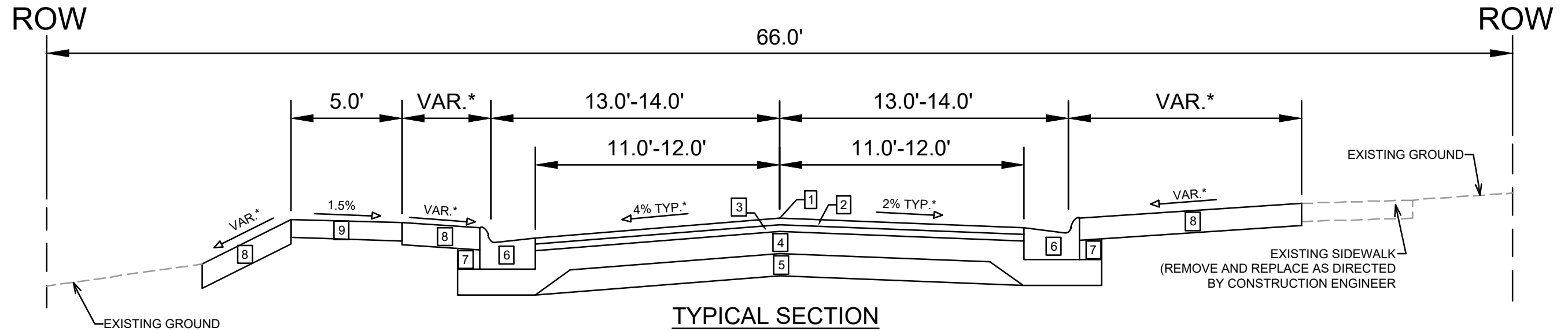
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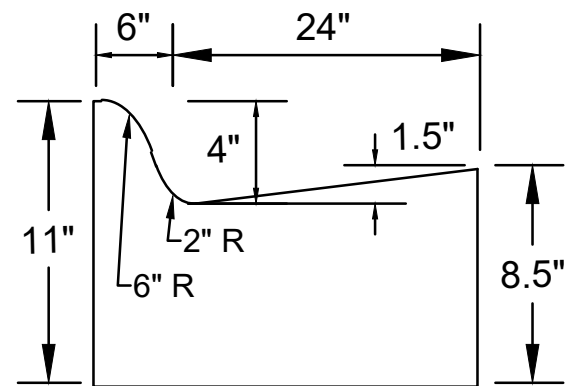
ORIGINAL FOR: CITY OF MADISON



**TYPICAL SECTION  
LAKE MENDOTA DRIVE  
(WESTERLY PROJECT LIMITS TO NORMAN WAY)**



**TYPICAL SECTION  
LAKE MENDOTA DRIVE  
(NORMAN WAY TO EASTERLY PROJECT LIMITS)**



**MODIFIED TYPE 'A'  
CONCRETE CURB & GUTTER  
(PAY AS TYPE 'A' CONC C&G)**

**NOTES:**

- \* SEE P-SHEETS AND X-SHEETS FOR DIMENSIONING AND CROSS SLOPES
- \*\*\* INSTALL EROSION MATTING, CLASS I, TYPE B - ORGANIC FOR RESTORATION SLOPES GREATER THAN 3:1

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- 3 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- 4 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- 5 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- 6 MODIFIED TYPE 'A' CONCRETE CURB & GUTTER (SEE INSET DETAIL)\*\*
- 7 FILL INCIDENTAL TO CURB & GUTTER INSTALLATION
- 8 6" TOPSOIL, SEED, & MAT\*\*\*
- 9 5" CONCRETE SIDEWALK

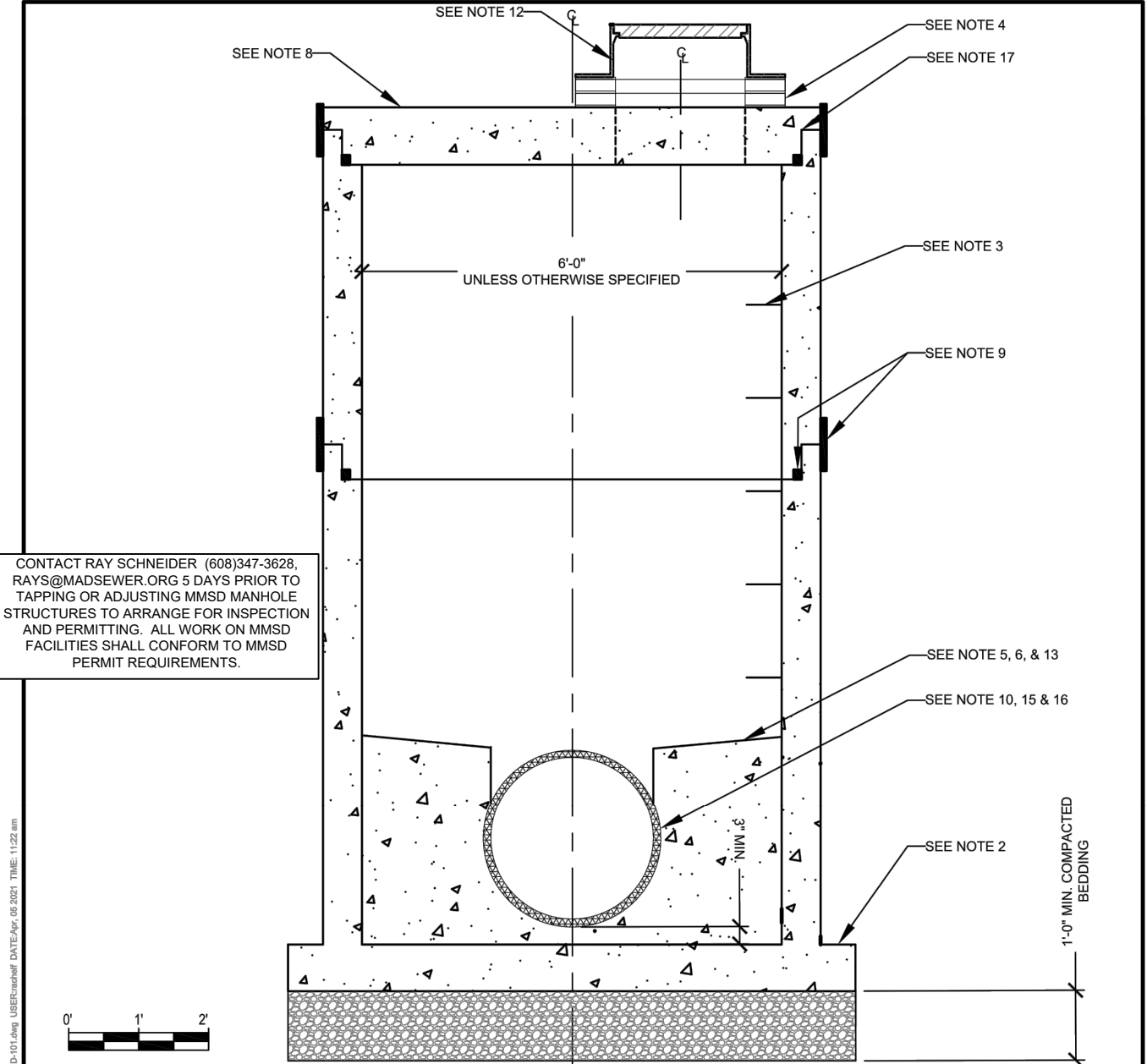
|                  |                          |
|------------------|--------------------------|
| DATE             | BY                       |
| REVISION         |                          |
| DESIGNED BY: AJC | DATE: 2/27/2024 12:59 PM |
| SCALE: #####     |                          |
| MARK             |                          |
| 14083            | D-1                      |

14083  
MADISON, WI  
8625  
CONTRACT NO:

TYPICAL SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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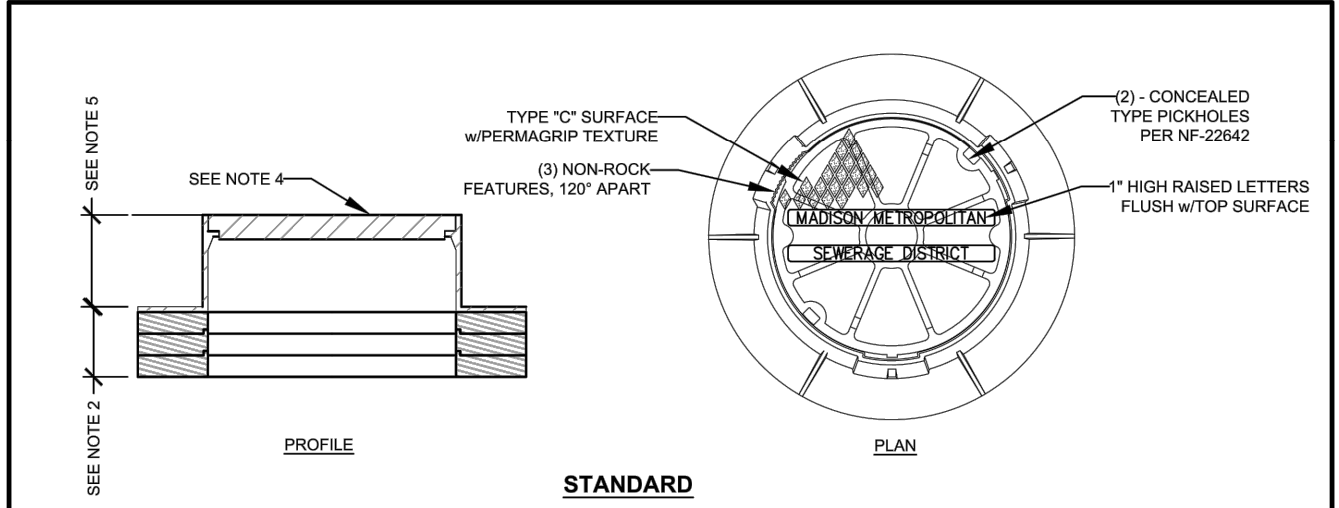
14083  
D-1



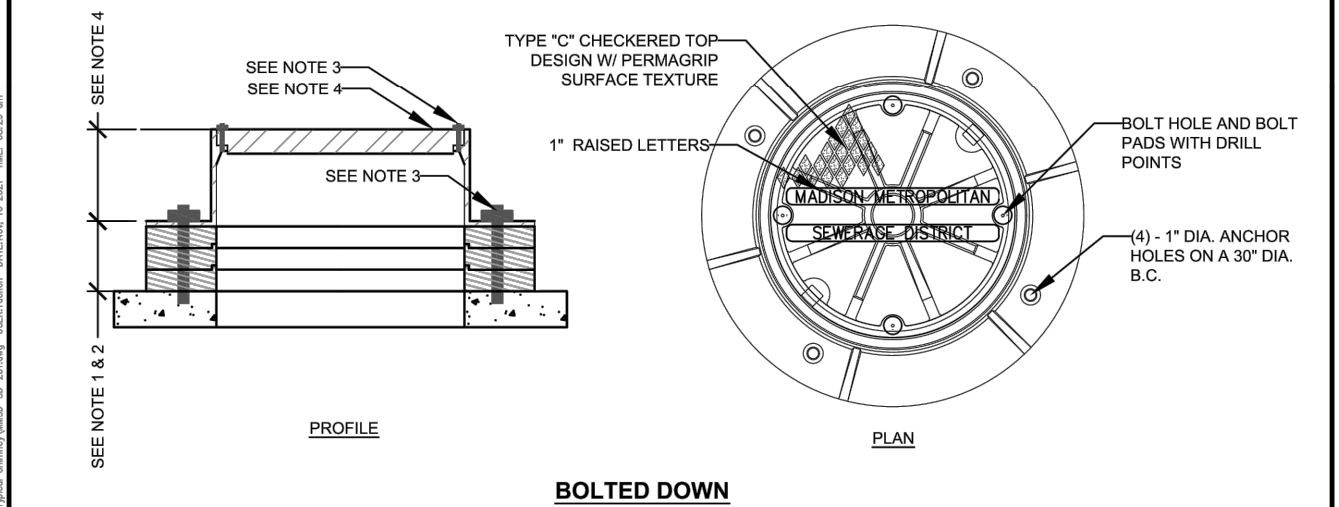
CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

- NOTES:**
- MANHOLE SECTIONS AND THICKNESSES SHALL BE PRECAST REINFORCED CONCRETE, CONSTRUCTED PER ASTM C-478 (ROUND) OR C-913 (SQUARE).
  - THE BASE THICKNESS SHALL BE 8 INCHES FOR DEPTHS 10 FEET OR LESS AND 12 INCHES FOR DEPTHS OVER 10 FEET.
  - STEPS, M.A. INDUSTRIES OR EQUAL, SHALL BE PLACED 16" ON CENTER IN ALL MANHOLES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. STEPS SHALL BE CENTERED ON BENCH. TOP STEP SHALL BE INSTALLED 24" FROM DECK UNDERSIDE.
  - MANHOLE CHIMNEYS SHALL HAVE FROM 3 TO 9 INCHES OF ADJUSTING RINGS. OPENING SHALL BE 24" OFFSET, CENTERED OVER MANHOLE STEPS.
  - THE BENCH SHALL BE 75% OF THE HEIGHT OF THE PIPE WITH A MAX HEIGHT OF 24" FOR PIPES 24" DIA. OR LARGER, OR TO THE PIPE CROWN FOR PIPES LESS THAN 24" DIA. BENCH SHALL BE SLOPED 1" - 2" PER FOOT.
  - THE INVERT CHANNEL SHALL BE TOWELED TO SMOOTH, DENSE SURFACE AND A SEMICIRCULAR SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER.
  - TOP DECK SHOULD BE A FLAT TOP UNLESS OTHERWISE NOTED.
  - JOINTS SHALL RECEIVE NON-HARDENING BUTYL RUBBER SEALANT MINIMUM THICKNESS 3/4", TYP. EXTERIOR JOINTS SHALL RECEIVE JOINT PROTECTION SUCH AS MACWRAP OR APPROVED EQUAL TO A MINIMUM WIDTH OF 9", TYP.
  - PROVIDE WATERTIGHT FLEXIBLE PIPE CONNECTOR FOR ALL CONNECTIONS UNLESS OTHERWISE NOTED.
  - MANHOLE INTERIOR COATINGS TO BE DIRECTED BY THE DISTRICT.
  - CHIMNEY, FRAME, & COVER **PER SHEET SD-201**.
  - MINIMUM HEIGHT FROM TOP OF BENCH TO DECK UNDERSIDE SHALL BE 7'-0".
  - PICKHOLES SHALL UNDER NO CIRCUMSTANCES PENETRATE THRU CONCRETE. EARHOLE STYLE PICKHOLES OR USE SUPERFICIAL LIFTING HOOKS SHOULD BE USED INSTEAD. ALL PICKHOLES SHALL BE MORTARED PRIOR TO BACKFILLING.
  - BOOT EXPANDERS SHALL BE PLACED AND INSTALLED AT THE 12 O'CLOCK POSITION WITH SCREW ENDS CAPPED, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.
  - CONCRETE OPENINGS MUST BE CORED FOR SURFACE APPLIED WATERTIGHT FLEXIBLE PIPE CONNECTORS (I.E. KOR-N-SEAL BOOTS), POURING ONLY ACCEPTABLE IF CONNECTOR IS DESIGNED TO BE POURED-IN-PLACE (I.E. A-LOK).
  - FOR A RECONSTRUCTED MANHOLE, IF A JOINT BETWEEN MANHOLE SECTIONS IS NOT A TONGUE AND GROOVE CONFIGURATION, THE CONTRACTOR SHALL INSTALL DOWELS AT A MINIMUM OF THREE LOCATIONS AROUND THE PERIMETER OF THE MANHOLE. THE DOWELS SHALL BE #4 REBAR EMBEDDED 3-INCHES INTO EACH SECTION OF THE MANHOLE. IN LIEU OF THIS, THE CONTRACTOR MAY INSTALL 6"x6" SST PLATES AT A MINIMUM OF THREE LOCATIONS ON THE OUTSIDE OF THE MANHOLE. THE PLATES SHALL BE ANCHORED WITH TWO 3/8" DIAMETER SST BOLTS ON EACH SIDE OF THE JOINT AT ALL LOCATIONS.

|                          |  |               |            |  |      |              |        |
|--------------------------|--|---------------|------------|--|------|--------------|--------|
|                          |  | DRAWING TITLE |            | REV. DATE DSGN DRWN CHCK APPV DRAWING NUMBER |      |              |        |
| STANDARD TYPICAL MANHOLE |  | 1             | 03/27/2020 | ALL  | R/JF | BAR, TG & JH | SD-101 |
|                          |  | 2             | 04/05/2021 | ALL  | R/JF | TG & JH      |        |



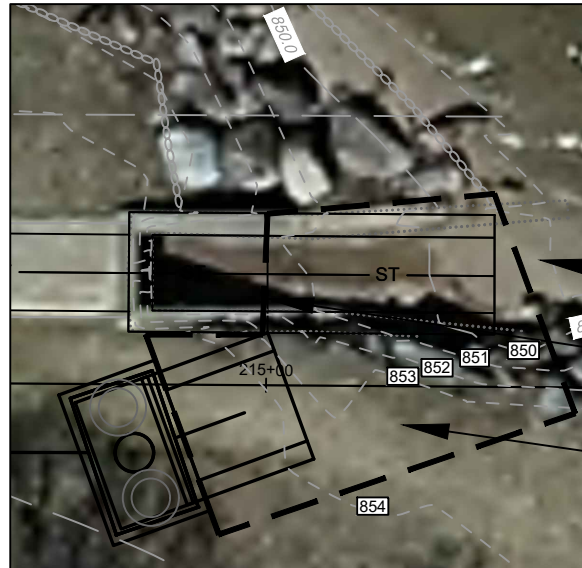
- NOTES:**
- STANDARD MANHOLE, ACCESS HOLE, LADDER, CONNECTORS & BENCH SHALL BE **PER SHEET SD-101**.
  - CHIMNEY SHALL HAVE A MINIMUM HEIGHT OF 3" AND A MAXIMUM HEIGHT OF 9" OF ADJUSTING RINGS. ADJUSTING RINGS SHALL BE CRETEX PRO-RING OR EQUAL.
  - SEAL BETWEEN RINGS, CASTING, AND TOP DECK PER MANUFACTURER REQUIREMENTS.
  - MANHOLE CHIMNEYS SHALL OPENING SHALL BE 24" OFFSET, CENTERED OVER MANHOLE STEPS.
  - MANHOLE FRAME AND COVER SHALL BE CAST IRON WITH HEAVY DUTY, INDENTED TOP WITH SOLID LIDS AND MACHINED BEARING SURFACES, NON-ROCKING,
  - SELF SEALING, WITH CONCEALED PICK HOLES, STAMPED WITH THE LETTERING "MADISON METROPOLITAN SEWERAGE DISTRICT", NF-10500151.
  - 9" HEIGHT (NF-10502301 OR EQUAL) IS STANDARD. 4" HEIGHT (NF-16892301 OR EQUAL) MAY BE PERMITTED PER MADISON METROPOLITAN DISTRICT APPROVAL.
  - CHIMNEY SEALS DETERMINED ON A CASE-BY-CASE BASIS.
  - BROKEN OR CRACKED ADJUSTING RINGS ARE NOT PERMITTED AND WILL BE REJECTED.



- NOTES:**
- FOLLOW STANDARD CHIMNEY DETAIL REQUIREMENTS UNLESS OTHERWISE SUPERCEDED BY FOLLOWING NOTES.
  - INSTALL ADHESIVE AT RING FACES PER MANUFACTURER REQUIREMENTS.
  - SECURE CASTING TO MANHOLE TOP DECK, MINIMUM 2" EMBEDMENT, IN FOUR LOCATIONS WITH HEX HEAD SCREWS. ALL HARDWARE TO BE STAINLESS STEEL.
  - LID SHALL BE NF-19160436 OR EQUAL. 9" FRAME SHALL BE NF-19160280 OR EQUAL.

|                          |  |               |            |  |      |              |        |
|--------------------------|--|---------------|------------|--|------|--------------|--------|
|                          |  | DRAWING TITLE |            | REV. DATE DSGN DRWN CHCK APPV DRAWING NUMBER |      |              |        |
| STANDARD MANHOLE CHIMNEY |  | 1             | 03/27/2020 | ALL  | R/JF | BAR, TG & JH | SD-201 |
|                          |  | 2             | 04/05/2021 | ALL  | R/JF | TG & JH      |        |





IF MOVED, RESTORE RIPRAP ADJACENT TO BEACH TO EXISTING CONDITIONS

REMOVE STUMP

FIELD-POUR (S-1) ENDWALL & (S-2) 4'X7' STORM SAS. TOC = 854.54  
INSTALL TWO R-1689-0054

INSTALL CUT OFF WALL (PRECAST OK), AND INSTALL RIPRAP PER S.D.D. 5.4.4

EX RCBC FUNCTIONS AS PATH. DO NOT DAMAGE.

SALVAGE ALL BOULDERS & RIPRAP. REPLACE W/ RESTORATION

PROP ENDWALL HEADER = 854.96

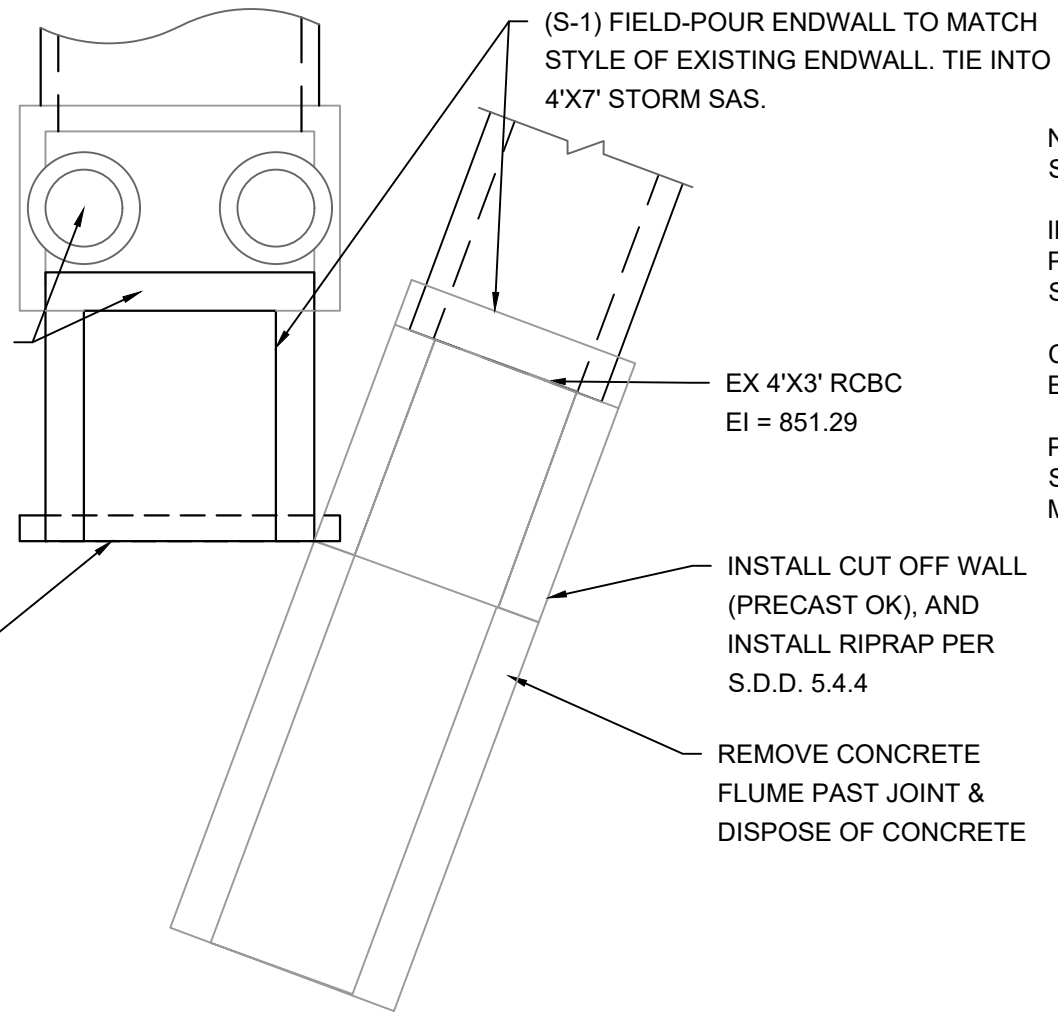
INSTALL 3'H X 5'W OPENING AT S-2 EI = 850.57

PROP 38"X60" HERCP EI = 849.67

849.09

851.29

APPROX 240 SF AREA. REGRADE SHORE TO ACCOMMODATE ENDWALL. INSTALL RIPRAP TO MATCH EX LAKE BED ELEVATION.



NO WORK MAY TAKE PLACE ALONG THE LAKE MENDOTA SHORELINE BETWEEN MARCH 15 - MAY 15.

INSTALL EROSION CONTROL MEASURES AND WATERBODY PROTECTION PRIOR TO DISTURBING SEDIMENT ALONG THE SHORELINE OR WITHIN THE LAKE BOUNDARY.

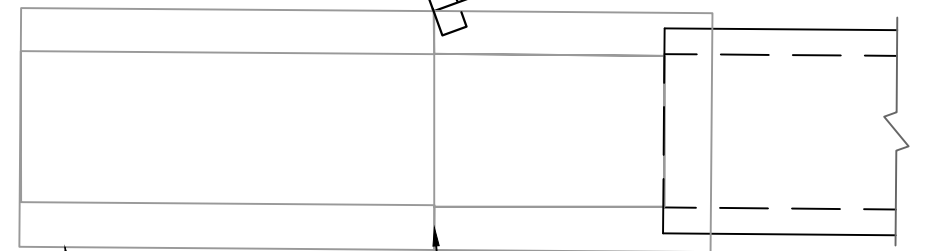
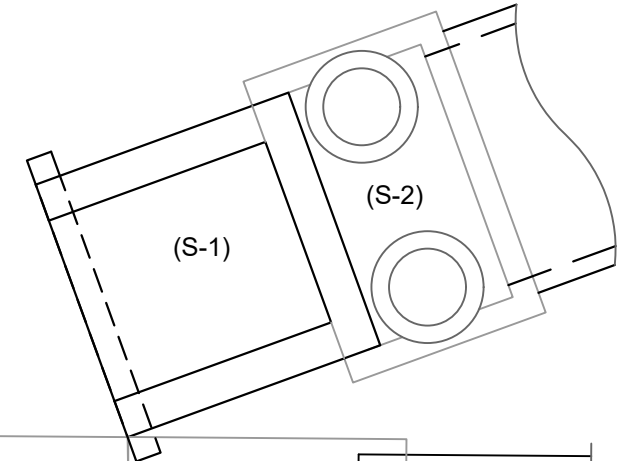
CONSTRUCT ENDWALL TO MATCH HEADER & WALL STYLE OF EXISTING 4'X3' RCBC ENDWALL.

PROCURE & INSTALL GRATES FOR BOTH ENDWALL SECTIONS. OPENINGS SHALL BE 6" MINIMUM TO 6.75" MAXIMUM.

EX 4'X3' RCBC EI = 851.29

INSTALL CUT OFF WALL (PRECAST OK), AND INSTALL RIPRAP PER S.D.D. 5.4.4

REMOVE CONCRETE FLUME PAST JOINT & DISPOSE OF CONCRETE



REMOVE SECTION AND INSTALL RIPRAP

EX ENDWALL TOP = 854.96

EI AT ENDWALL JOINT = 850.57

| MARK | REVISION | DATE | BY |
|------|----------|------|----|
|      |          |      |    |
|      |          |      |    |
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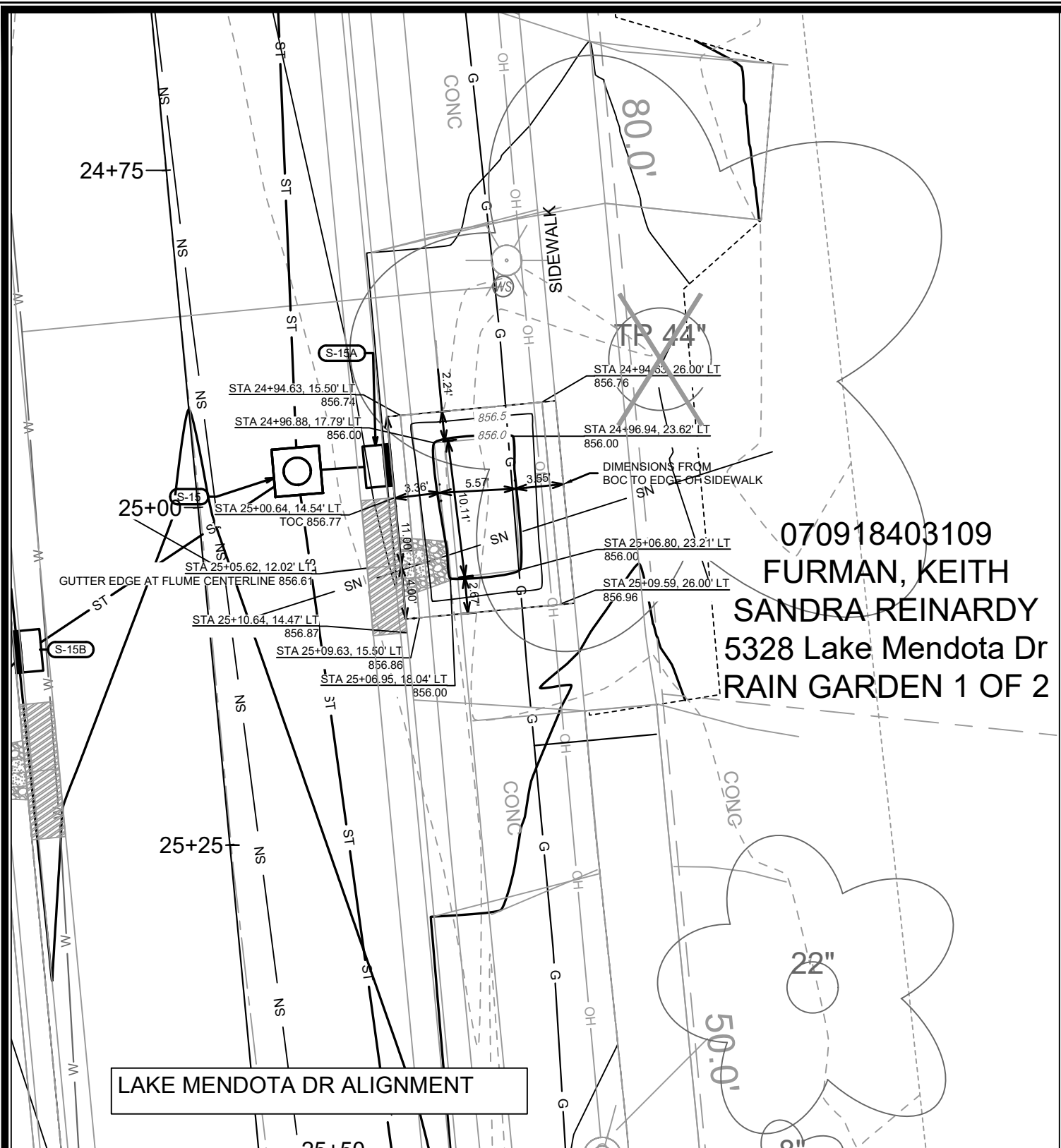
14083  
MADISON, WI  
8743  
CONTRACT NO:

NORMAN WAY - ENDWALL DETAIL  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
D-3

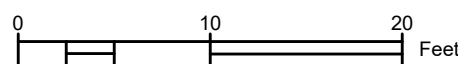
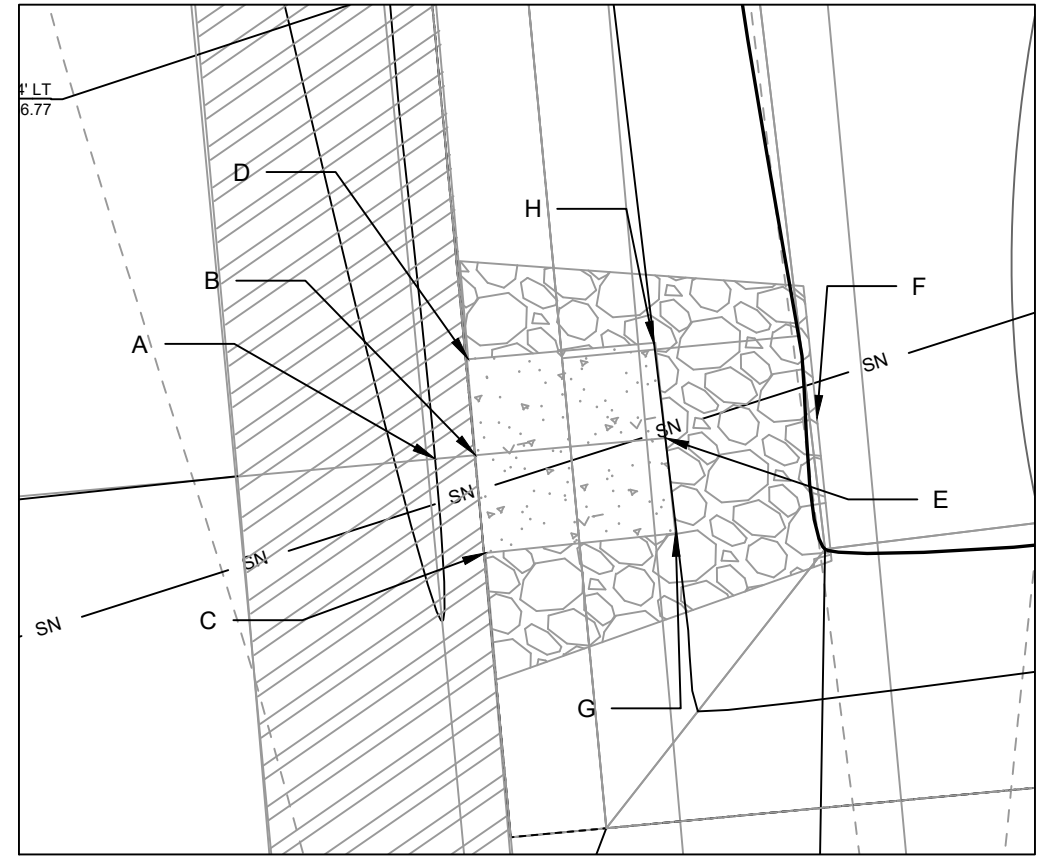




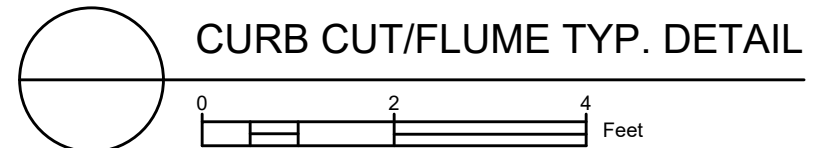
070918403109  
 FURMAN, KEITH  
 SANDRA REINARDY  
 5328 Lake Mendota Dr  
 RAIN GARDEN 1 OF 2

### DETAIL POINT ELEVATIONS/DESCRIPTIONS

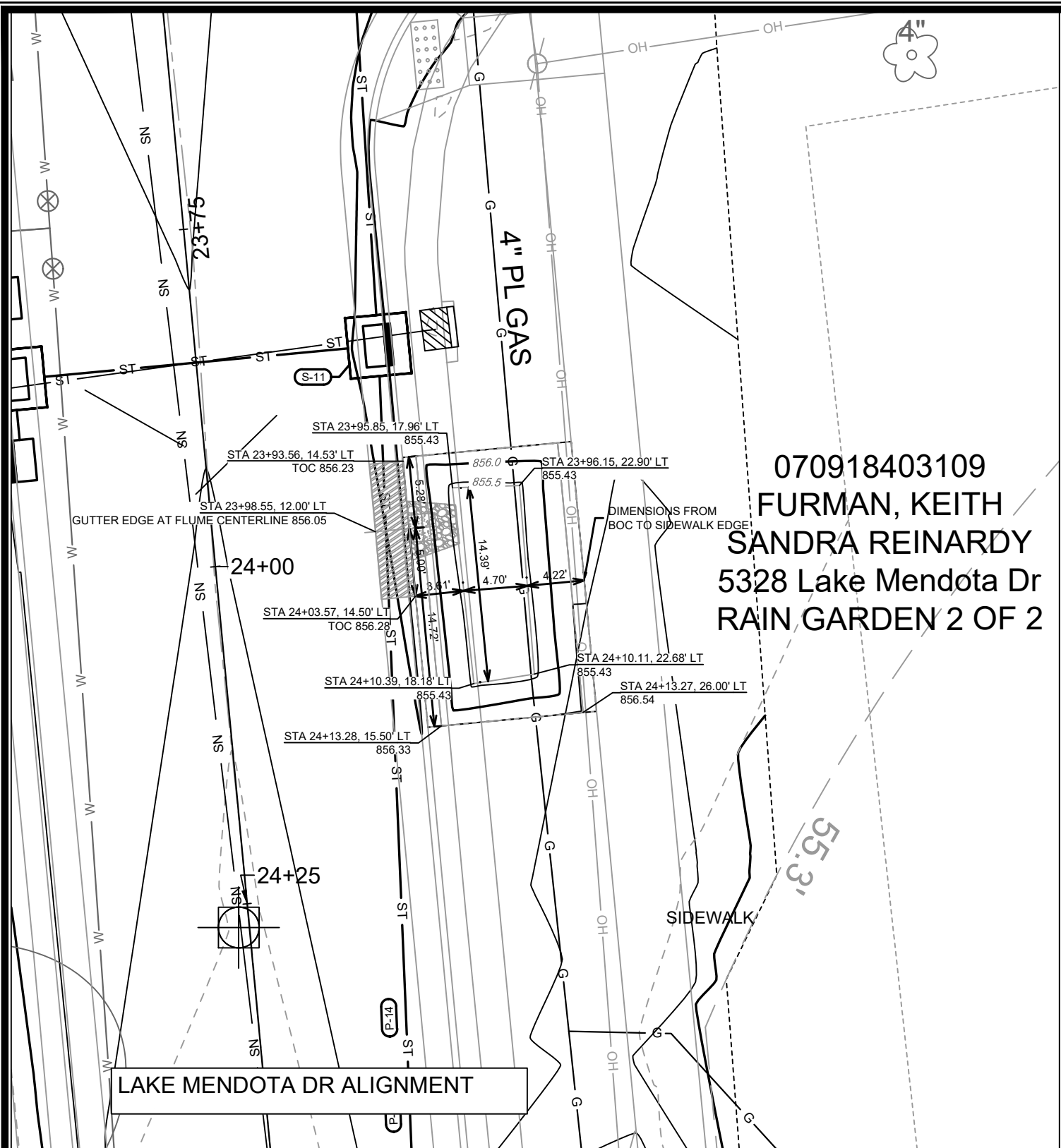
| Point | Point Description                          | Distance from Existing FlowLine (ft)        | Elevation        |
|-------|--|---|------------------|
|       |  | <b>Pond depth (inches)</b>                  | <b>6</b>         |
|       |  | <b>Distance from Existing FlowLine (ft)</b> | <b>Elevation</b> |
|       | Ex. EOG at CL of Flume                     | +0.125                                      | 856.61           |
| A     | Ex. Flow Line at CL of Flume               | 0   | 856.49           |
| B     | Pro. Gutter Flow Line at CL of Flume       | -0.17                                       | 856.32           |
| C     | Edge of Flume @ Gutter (Uphill)            | varies                                      | 856.51           |
| D     | Edge of Flume @ Gutter (Downhill)          | varies                                      | 856.46           |
| E     | Bottom of Flume at CL                      | varies                                      | 856.15           |
| F     | Bottom of Stone/Pond                       | varies                                      | 856.00           |
| G     | Edge of Flume @ Bottom of Basin (Uphill)   | varies                                      | 856.43           |
| H     | Edge of Flume @ Bottom of Basin (Downhill) | varies                                      | 856.38           |



NOTES:  
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS  
 2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.  
 3. SEE DETAIL D-1 AND D-2.

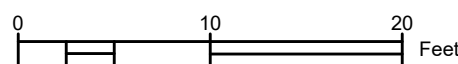
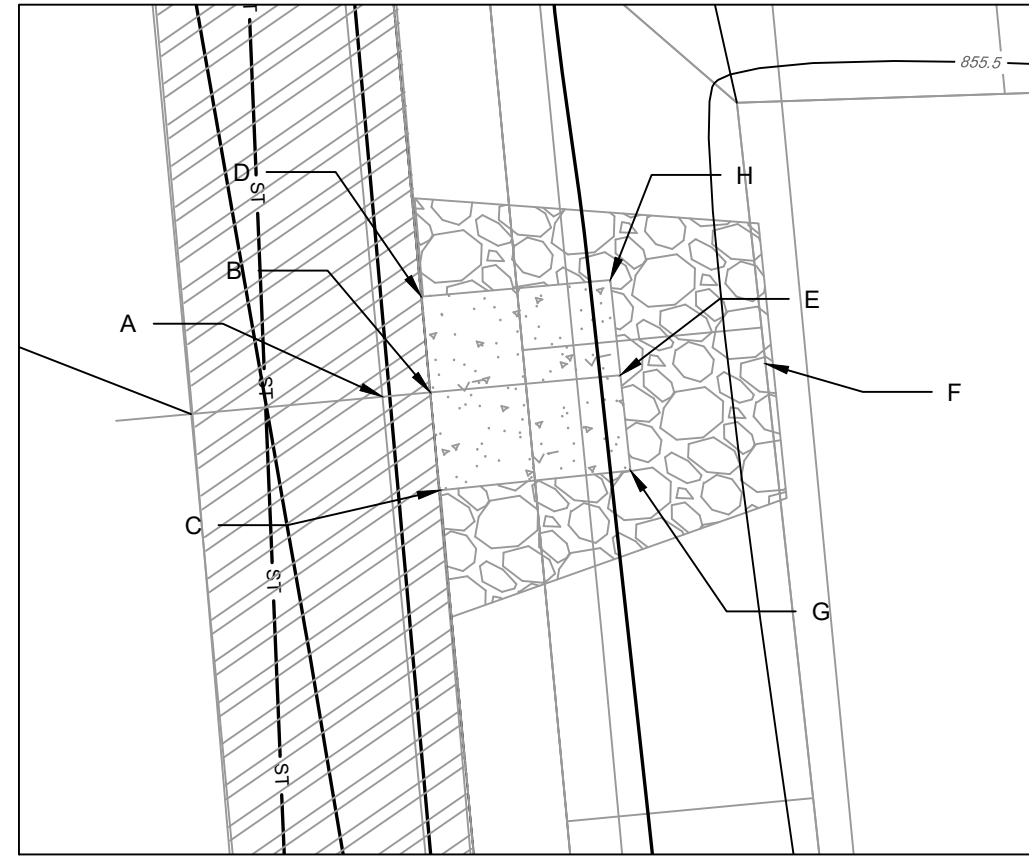


14083  
 MADISON, WI  
 CONTRACT NO.:  
 GREEN INFRA 5324 LMD RG1  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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 14083  
 G1-1

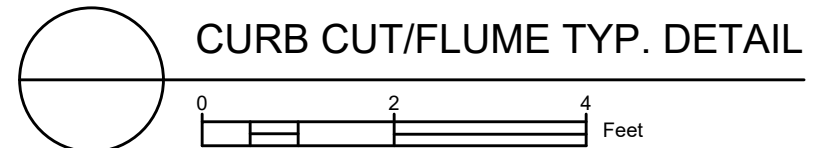


070918403109  
 FURMAN, KEITH  
 SANDRA REINARDY  
 5328 Lake Mendota Dr  
 RAIN GARDEN 2 OF 2

| DETAIL POINT ELEVATIONS/DESCRIPTIONS |  |                                      |           |
|--------------------------------------|--|--------------------------------------|-----------|
| Point                                | Point Description                          | Distance from Existing FlowLine (ft) | Elevation |
|                                      |  | <b>Pond depth (inches)</b>           | <b>6</b>  |
|                                      | Ex. EOG at CL of Flume                     | +0.125                               | 856.05    |
| A                                    | Ex. Flow Line at CL of Flume               | 0                                    | 855.93    |
| B                                    | Pro. Gutter Flow Line at CL of Flume       | -0.17                                | 855.76    |
| C                                    | Edge of Flume @ Gutter (Uphill)            | varies                               | 855.94    |
| D                                    | Edge of Flume @ Gutter (Downhill)          | varies                               | 855.91    |
| E                                    | Bottom of Flume at CL                      | varies                               | 855.59    |
| F                                    | Bottom of Stone/Pond                       | varies                               | 855.43    |
| G                                    | Edge of Flume @ Bottom of Basin (Uphill)   | varies                               | 855.86    |
| H                                    | Edge of Flume @ Bottom of Basin (Downhill) | varies                               | 855.83    |



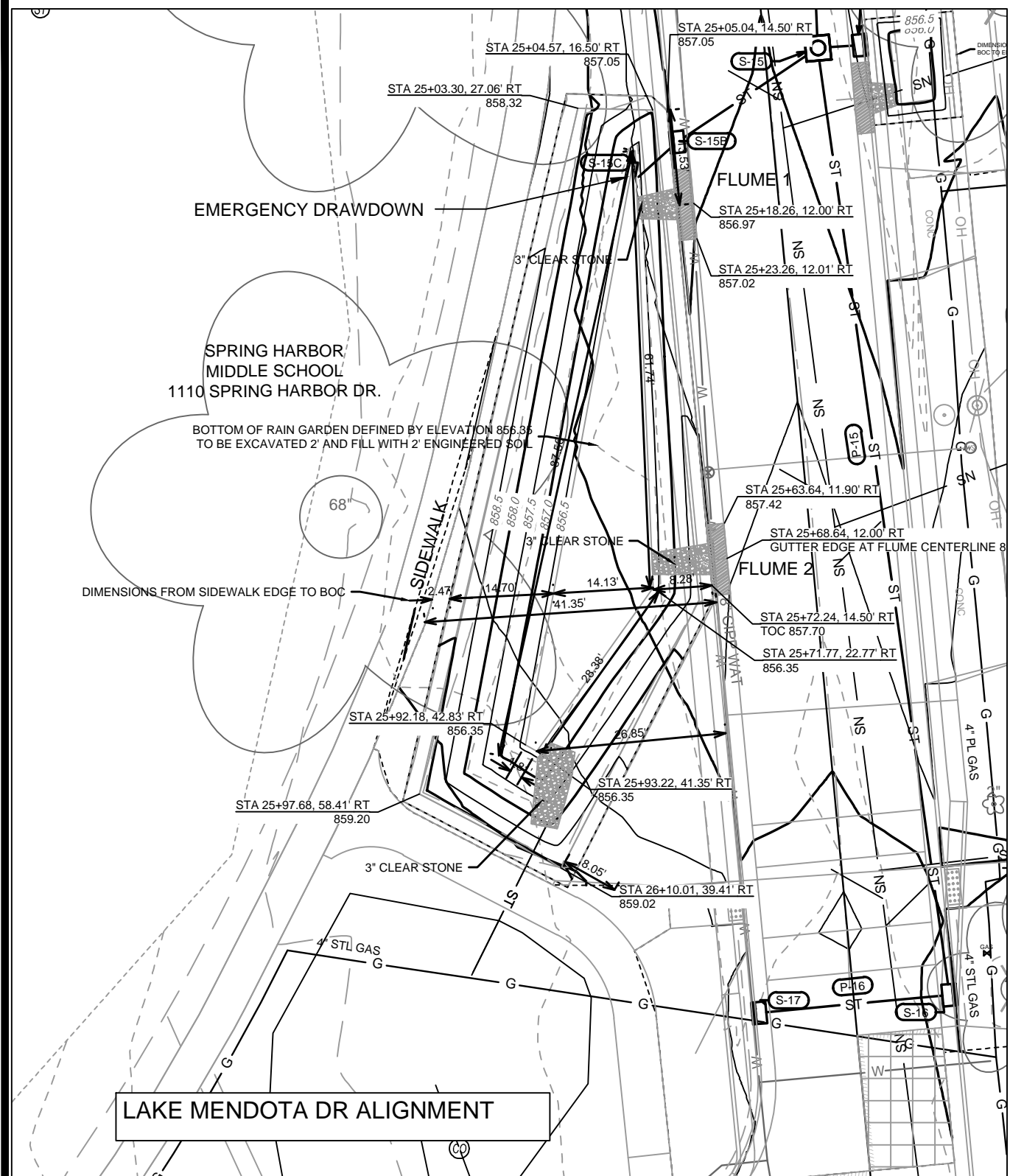
NOTES:  
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS  
 2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.  
 3. SEE DETAIL D-1 AND D-2.



14083  
 MADISON, WI  
 CONTRACT NO.: 8622  
 14083SWR-GI - 5328 LMD RG2  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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 PLAN UPDATES 2/21/23 PDG  
 REVISION DATE BY  
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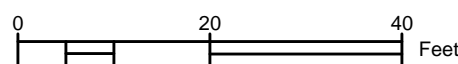
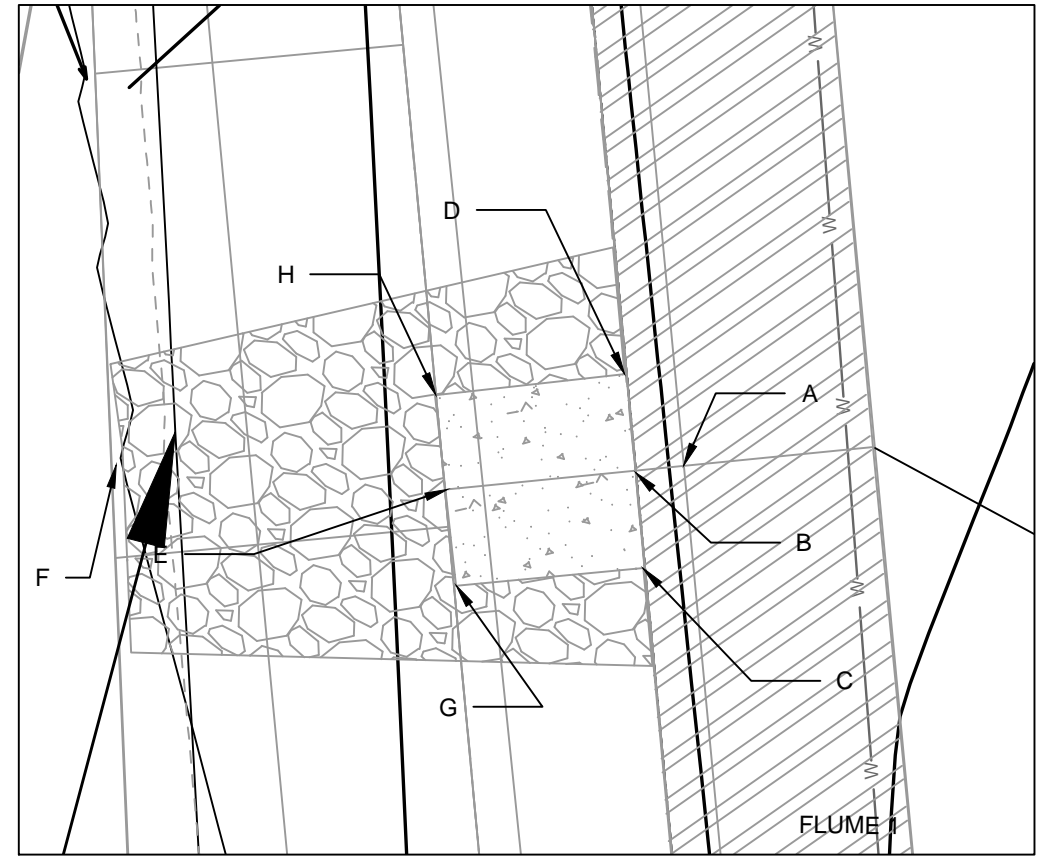
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 GI-2



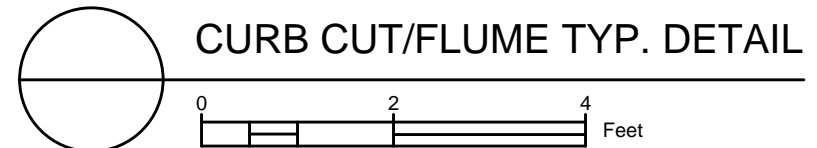


### DETAIL POINT ELEVATIONS/DESCRIPTIONS

| Point | Point Description                          | Distance from Existing FlowLine (ft) | Flume 1 Elevation | Flume 2 Elevation |
|-------|--|--------------------------------------|-------------------|-------------------|
|       |  | Pond depth (inches)                  | 6                 |                   |
|       | Ex. EOG at CL of Flume                     | +0.125                               | 856.97            | 857.46            |
| A     | Ex. Flow Line at CL of Flume               | 0                                    | 856.85            | 857.34            |
| B     | Pro. Gutter Flow Line at CL of Flume       | -0.17                                | 856.68            | 857.17            |
| C     | Edge of Flume @ Gutter (Uphill)            | varies                               | 856.87            | 857.36            |
| D     | Edge of Flume @ Gutter (Downhill)          | varies                               | 856.82            | 857.32            |
| E     | Bottom of Flume at CL                      | varies                               | 856.51            | 857.00            |
| F     | Bottom of Stone/Pond                       | varies                               | 856.35            | 856.35            |
| G     | Edge of Flume @ Bottom of Basin (Uphill)   | varies                               | 856.79            | 857.28            |
| H     | Edge of Flume @ Bottom of Basin (Downhill) | varies                               | 856.74            | 857.23            |



NOTES:  
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS  
 2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.  
 3. SEE DETAIL D-1 AND D-2.

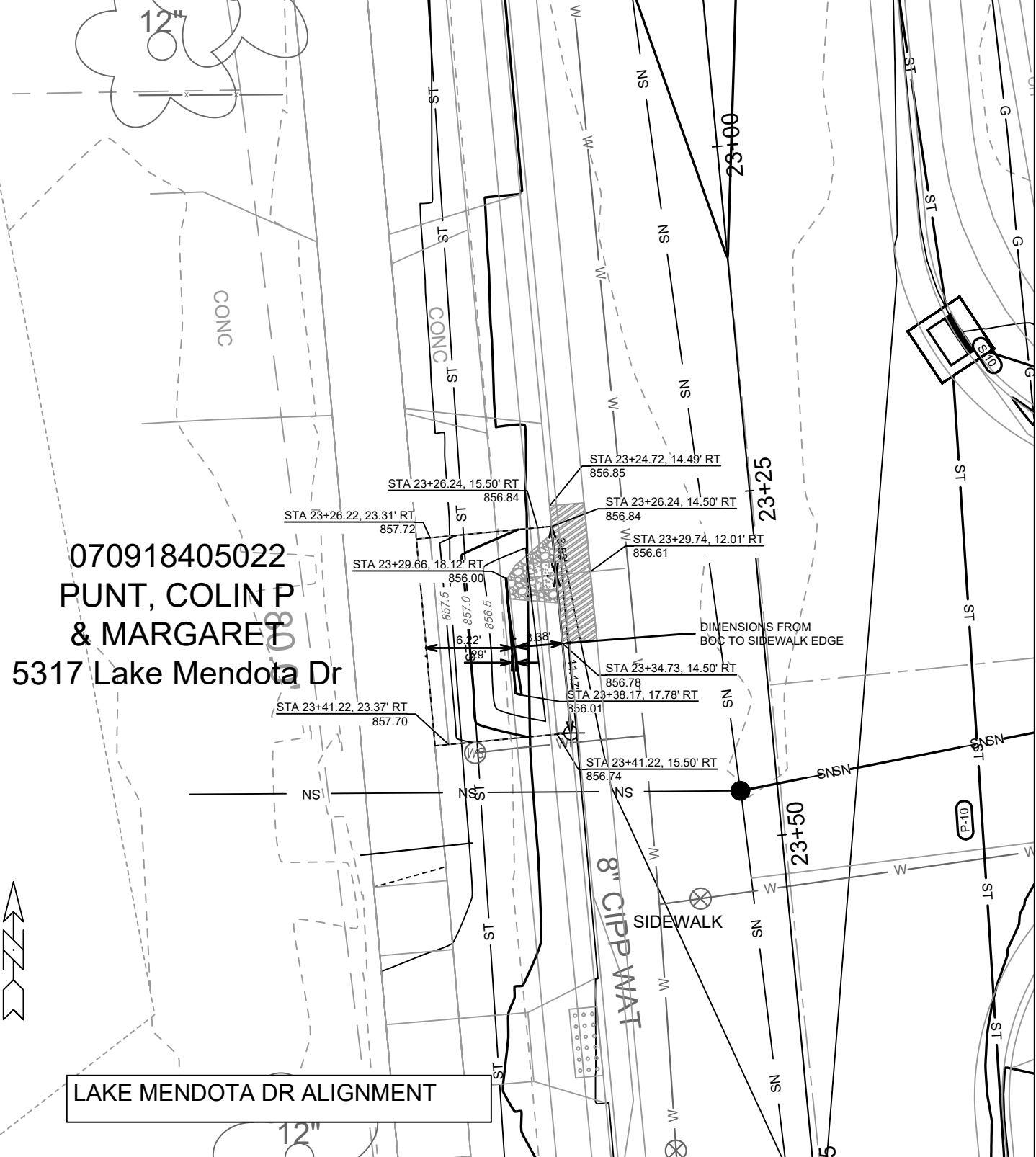


14083SWR-GI - 1110 SPRING HARBOR NORTH  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
 MADISON, WI  
 CONTRACT NO.: 8622  
 14083  
 GI-3

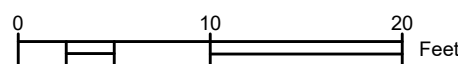
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 GI-3

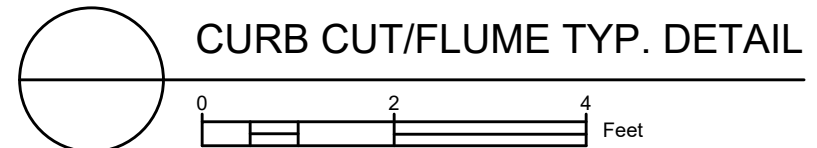
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070918405022  
 PUNT, COLIN P  
 & MARGARET  
 5317 Lake Mendota Dr

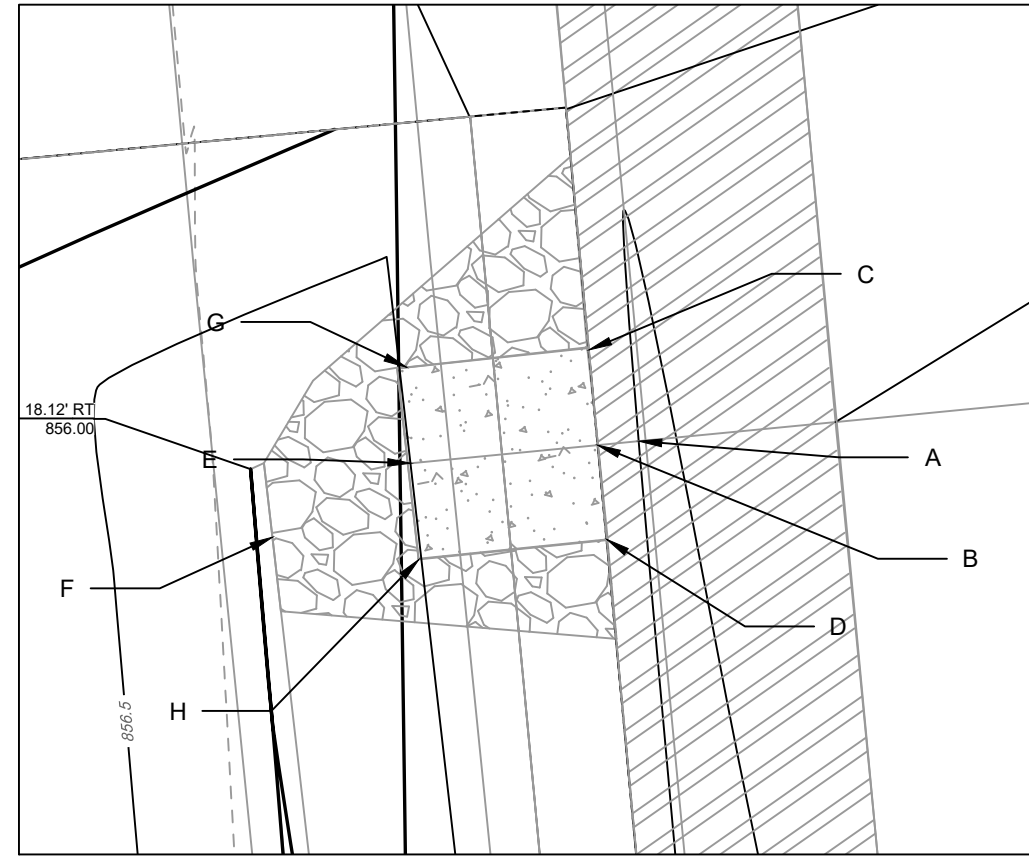


- NOTES:  
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS  
 2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.  
 3. SEE DETAIL D-1 AND D-2.



### DETAIL POINT ELEVATIONS/DESCRIPTIONS

| Point | Point Description                          | Distance from Existing FlowLine (ft) | Pond depth (inches) | Elevation |
|-------|--|--------------------------------------|---------------------|-----------|
|       | Ex. EOG at CL of Flume                     | +0.125                               | 6                   | 856.61    |
| A     | Ex. Flow Line at CL of Flume               | 0                                    |                     | 856.49    |
| B     | Pro. Gutter Flow Line at CL of Flume       | -0.17                                |                     | 856.32    |
| C     | Edge of Flume @ Gutter (Uphill)            | varies                               |                     | 856.50    |
| D     | Edge of Flume @ Gutter (Downhill)          | varies                               |                     | 856.47    |
| E     | Bottom of Flume at CL                      | varies                               |                     | 856.15    |
| F     | Bottom of Stone/Pond                       | varies                               |                     | 855.99    |
| G     | Edge of Flume @ Bottom of Basin (Uphill)   | varies                               |                     | 856.42    |
| H     | Edge of Flume @ Bottom of Basin (Downhill) | varies                               |                     | 856.38    |

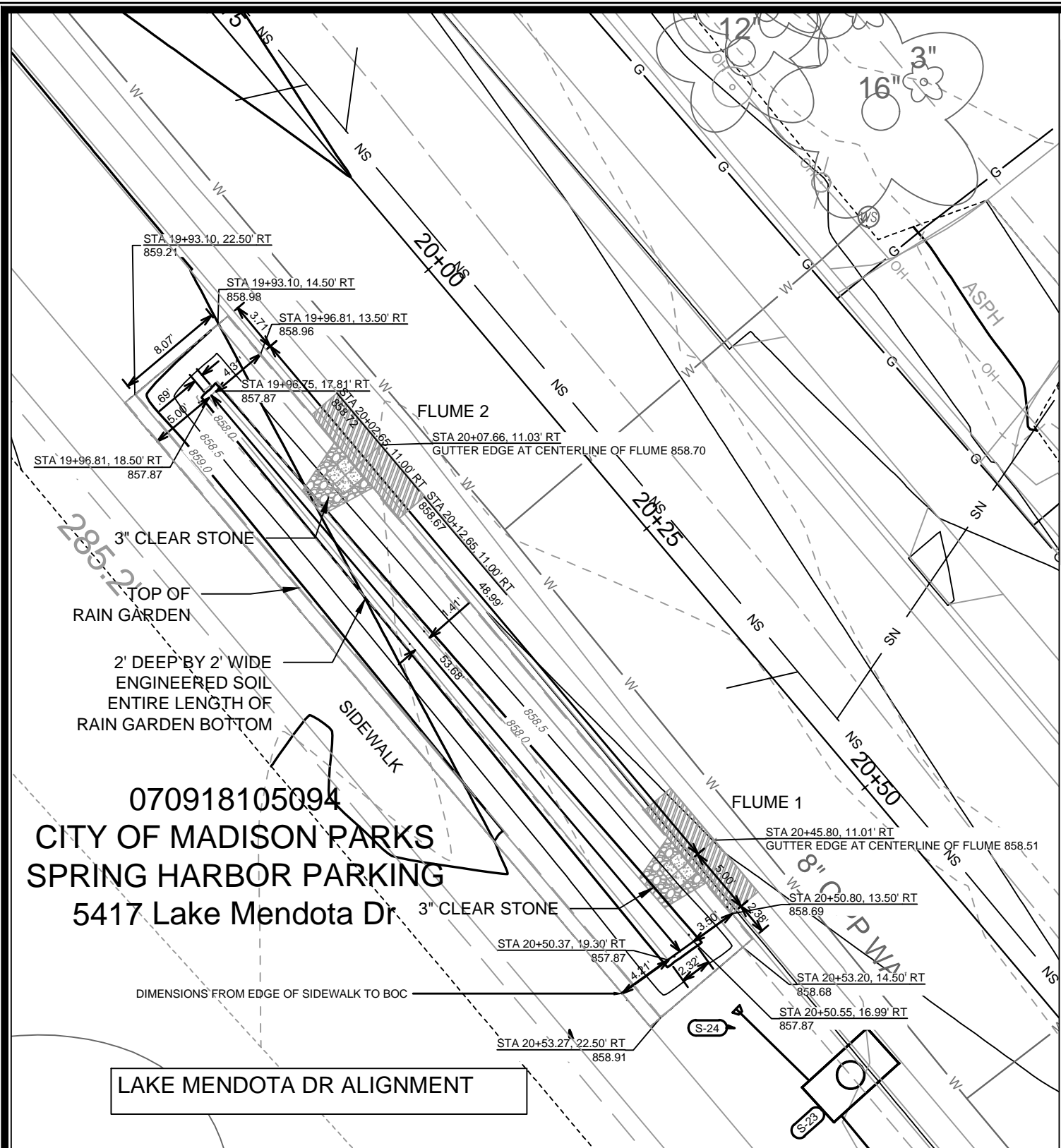


14083  
 MADISON, WI  
 CONTRACT NO: 8622

14083SWR-GI-5317 LMD  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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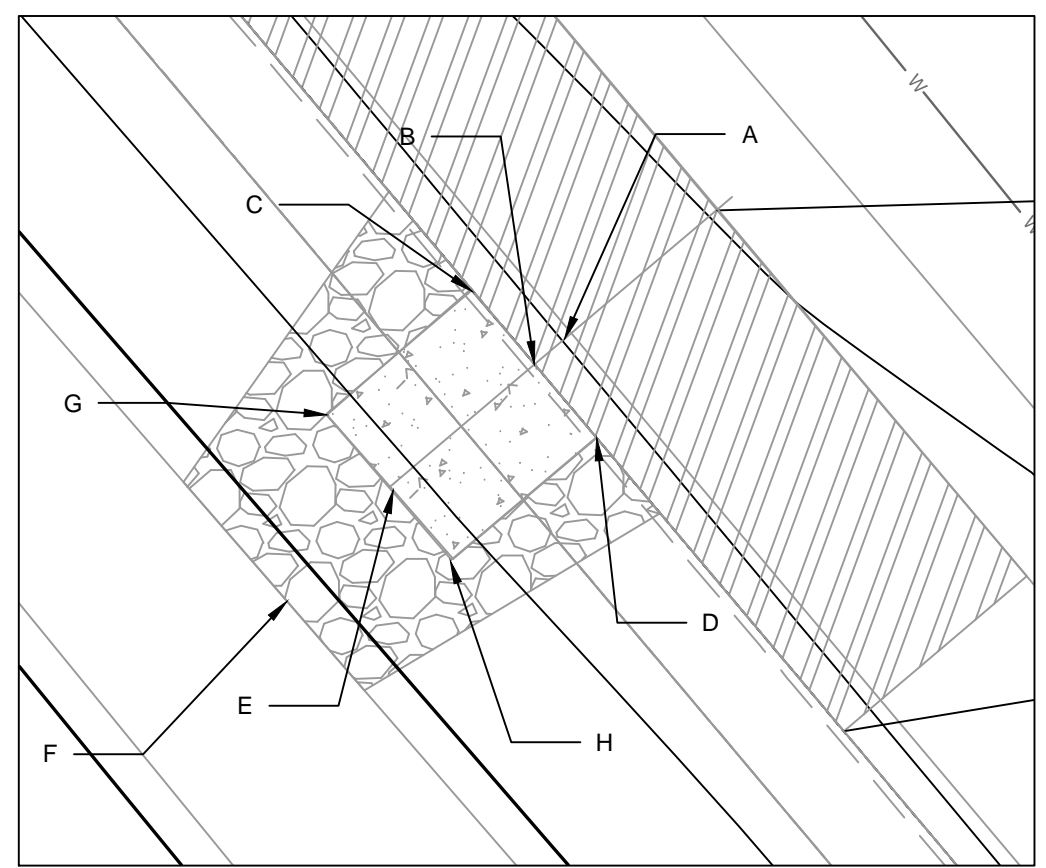
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 GI-4



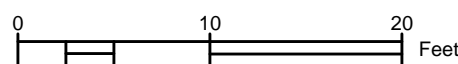


### DETAIL POINT ELEVATIONS/DESCRIPTIONS

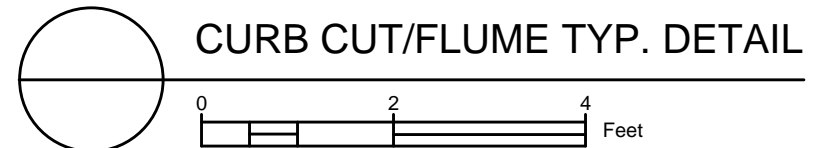
| Point | Point Description                          | Distance from Existing FlowLine (ft) | Flume 1 Elevation | Flume 2 Elevation |
|-------|--|--------------------------------------|-------------------|-------------------|
|       |  | Pond depth (inches)                  | 6                 |                   |
|       | Ex. EOG at CL of Flume                     | +0.125                               | 858.50            | 858.70            |
| A     | Ex. Flow Line at CL of Flume               | 0                                    | 858.38            | 858.58            |
| B     | Pro. Gutter Flow Line at CL of Flume       | -0.17                                | 858.21            | 858.41            |
| C     | Edge of Flume @ Gutter (Uphill)            | varies                               | 858.39            | 858.59            |
| D     | Edge of Flume @ Gutter (Downhill)          | varies                               | 858.37            | 858.56            |
| E     | Bottom of Flume at CL                      | varies                               | 858.04            | 858.24            |
| F     | Bottom of Stone/Pond                       | varies                               | 857.87            | 857.87            |
| G     | Edge of Flume @ Bottom of Basin (Uphill)   | varies                               | 858.31            | 858.50            |
| H     | Edge of Flume @ Bottom of Basin (Downhill) | varies                               | 858.28            | 858.48            |



070918105094  
 CITY OF MADISON PARKS  
 SPRING HARBOR PARKING  
 5417 Lake Mendota Dr



- NOTES:  
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS  
 2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.  
 3. SEE DETAIL D-1 AND D-2.



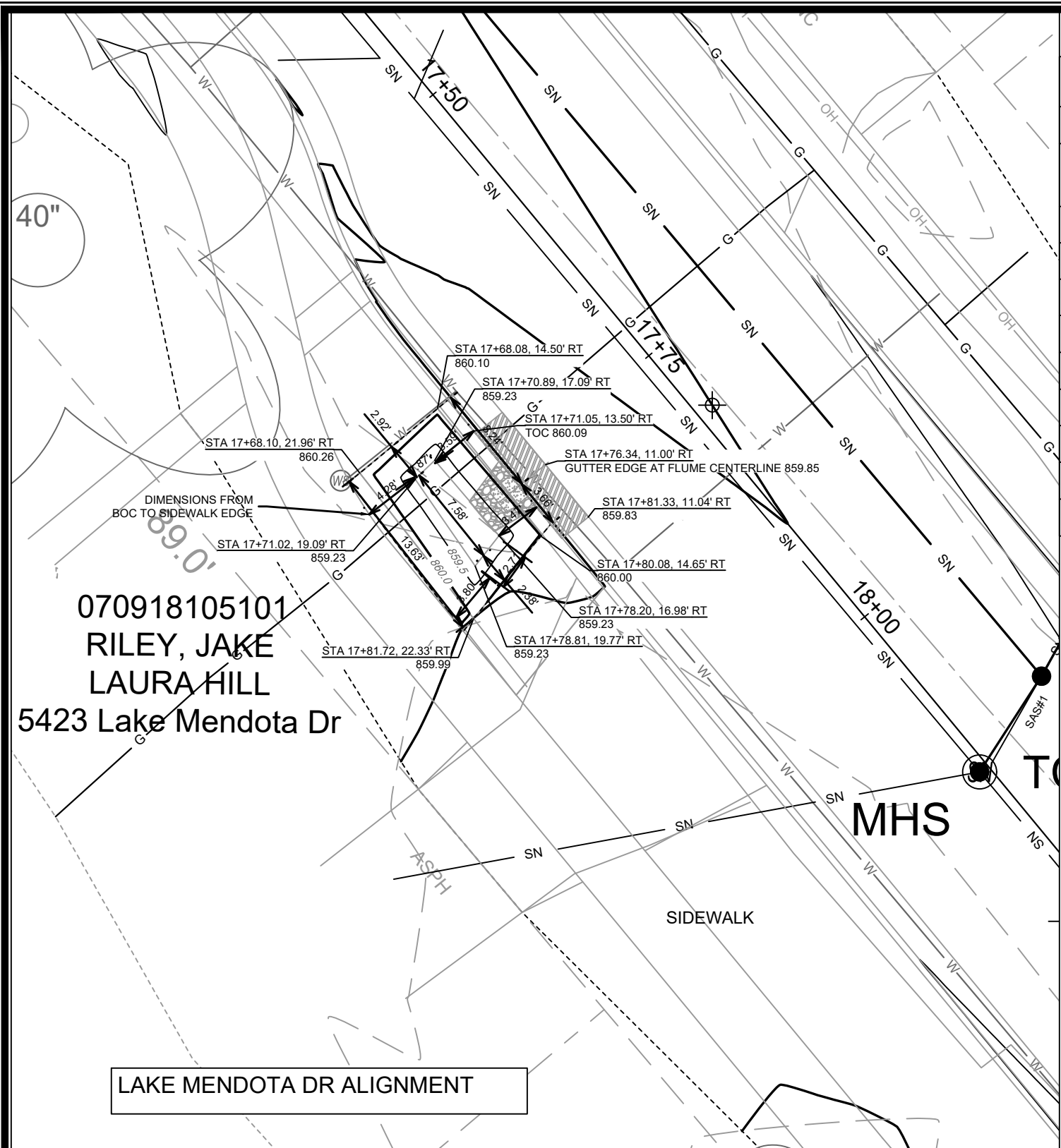
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 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
 MADISON, WI  
 CONTRACT NO.: 8622

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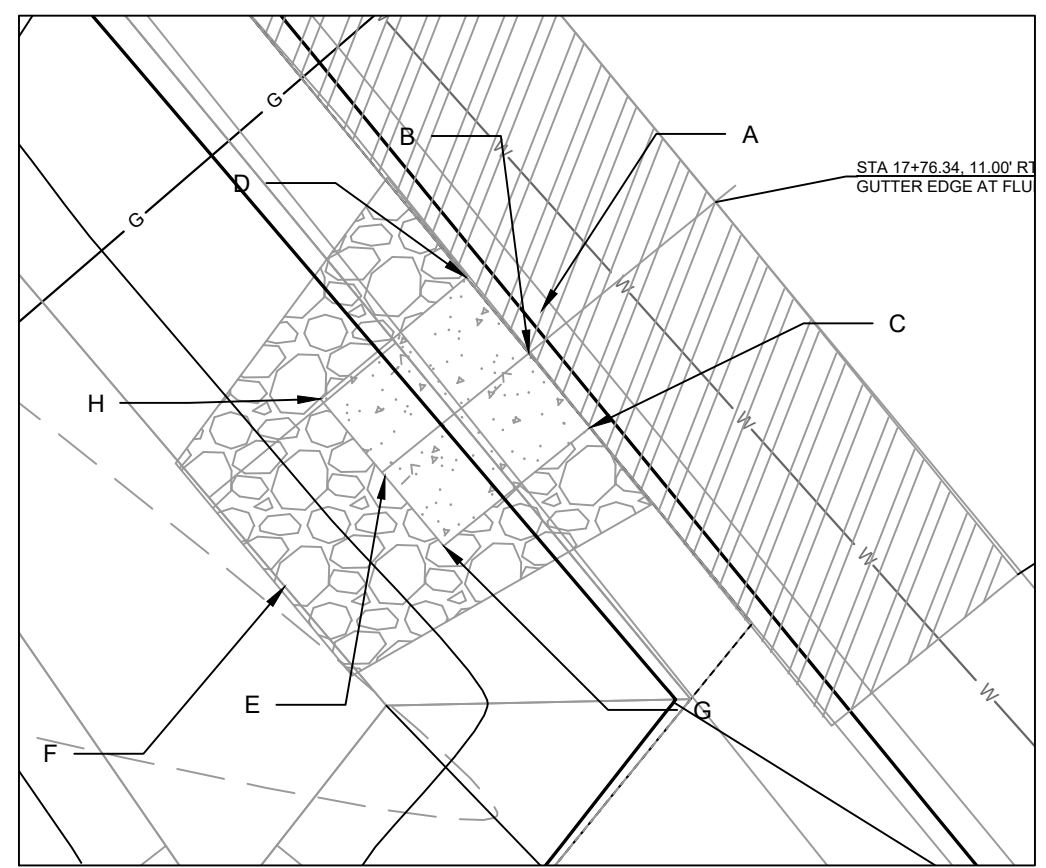
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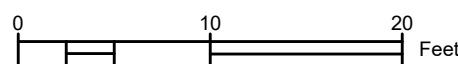
### DETAIL POINT ELEVATIONS/DESCRIPTIONS

| Point | Point Description                          | Distance from Existing FlowLine (ft)        | Elevation        |
|-------|--|---|------------------|
|       |  | <b>Pond depth (inches)</b>                  | <b>6</b>         |
|       |  | <b>Distance from Existing FlowLine (ft)</b> | <b>Elevation</b> |
|       | Ex. EOG at CL of Flume                     | +0.125                                      | 859.85           |
| A     | Ex. Flow Line at CL of Flume               | 0   | 859.73           |
| B     | Pro. Gutter Flow Line at CL of Flume       | -0.17                                       | 859.56           |
| C     | Edge of Flume @ Gutter (Uphill)            | varies                                      | 859.74           |
| D     | Edge of Flume @ Gutter (Downhill)          | varies                                      | 859.72           |
| E     | Bottom of Flume at CL                      | varies                                      | 859.39           |
| F     | Bottom of Stone/Pond                       | varies                                      | 859.23           |
| G     | Edge of Flume @ Bottom of Basin (Uphill)   | varies                                      | 859.66           |
| H     | Edge of Flume @ Bottom of Basin (Downhill) | varies                                      | 859.63           |

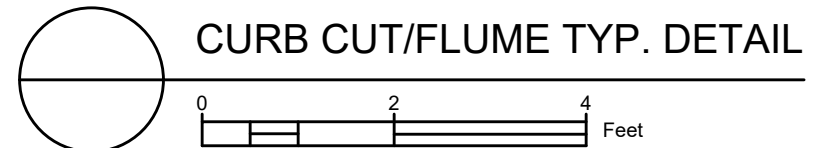


070918105101  
 RILEY, JAKE  
 LAURA HILL  
 5423 Lake Mendota Dr

LAKE MENDOTA DR ALIGNMENT

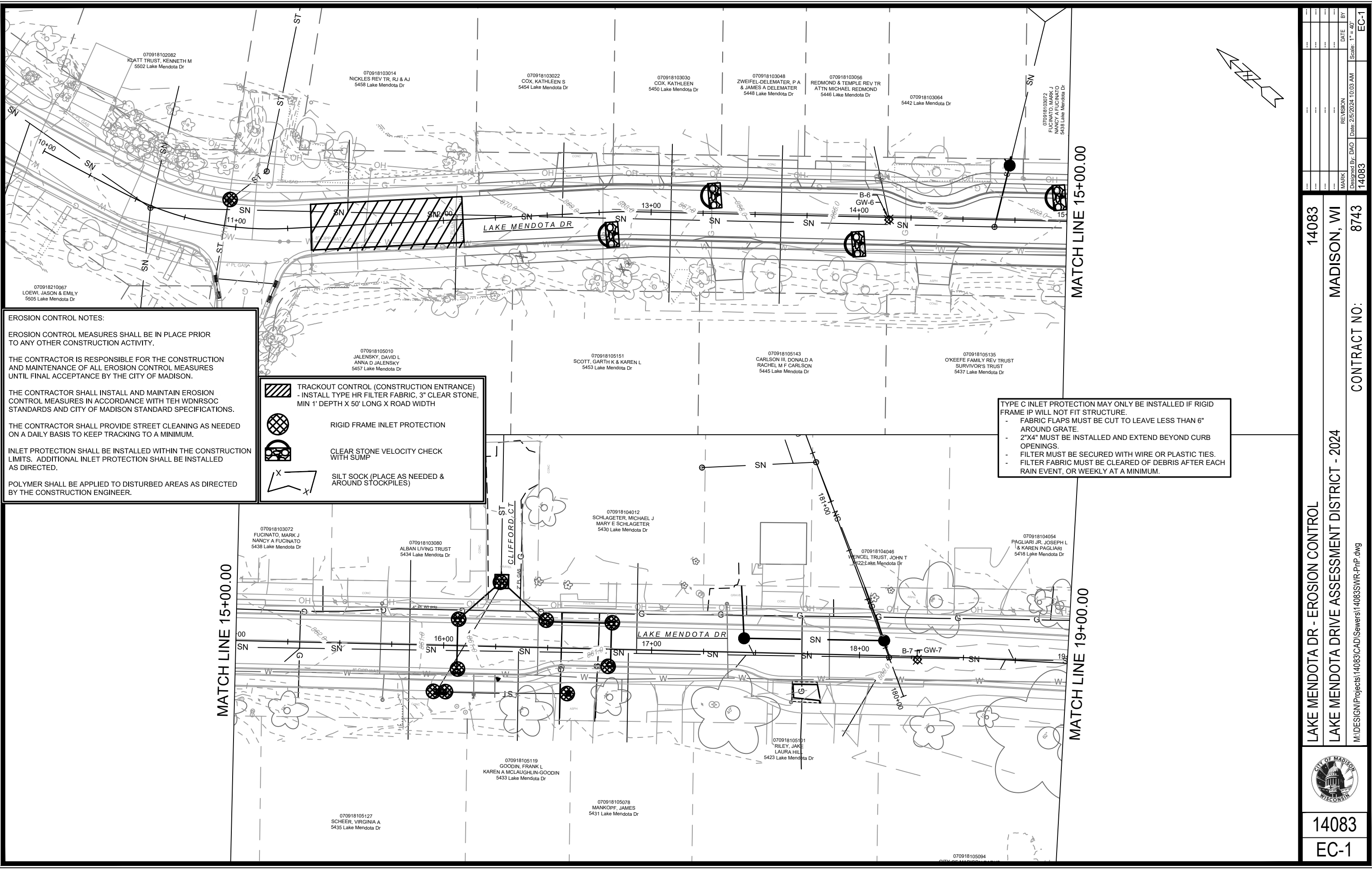


NOTES:  
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 3. SEE DETAIL D-1 AND D-2.



|   |             |       |      |      |
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| 14083   | MADISON, WI | 14083 | 8622 | GI-6 |
| CONTRACT NO. 8622                                   |             |       |      |      |
| 14083SWR-GI - 5423 LMD                              |             |       |      |      |
| LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024       |             |       |      |      |
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**EROSION CONTROL NOTES:**

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

|  |  |
|--|--|
|  | TRACKOUT CONTROL (CONSTRUCTION ENTRANCE)<br>- INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE,<br>MIN 1' DEPTH X 50' LONG X ROAD WIDTH |
|  | RIGID FRAME INLET PROTECTION   |
|  | CLEAR STONE VELOCITY CHECK WITH SUMP   |
|  | SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)  |

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME IP WILL NOT FIT STRUCTURE.

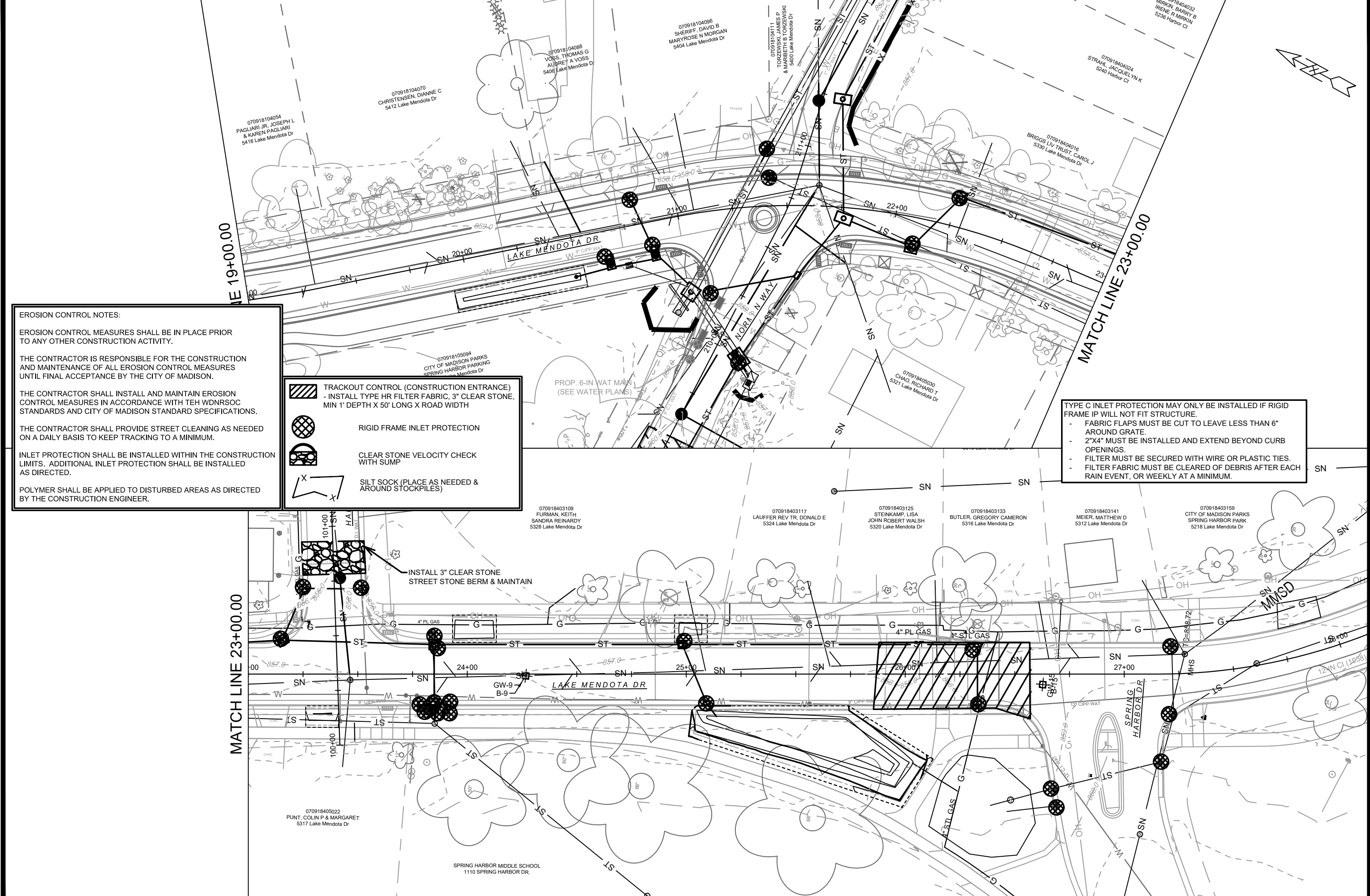
- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
- 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
- FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

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14083  
MADISON, WI  
CONTRACT NO: 8743

LAKE MENDOTA DR - EROSION CONTROL  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
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**EROSION CONTROL NOTES:**

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THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

|  |  |
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|  | <b>TRACKOUT CONTROL (CONSTRUCTION ENTRANCE)</b><br>- INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH X 50' LONG X ROAD WIDTH |
|  | <b>RIGID FRAME INLET PROTECTION</b>  |
|  | <b>CLEAR STONE VELOCITY CHECK WITH SUMP</b>  |
|  | <b>SILT SOCK (PLACE AS NEEDED &amp; AROUND STOCKPILES)</b>   |

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME IP WILL NOT FIT STRUCTURE.

- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
- 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
- FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

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**EROSION CONTROL NOTES:**

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THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.


INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

 TRACKOUT CONTROL (CONSTRUCTION ENTRANCE)  
- INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH X 50' LONG X ROAD WIDTH

 RIGID FRAME INLET PROTECTION

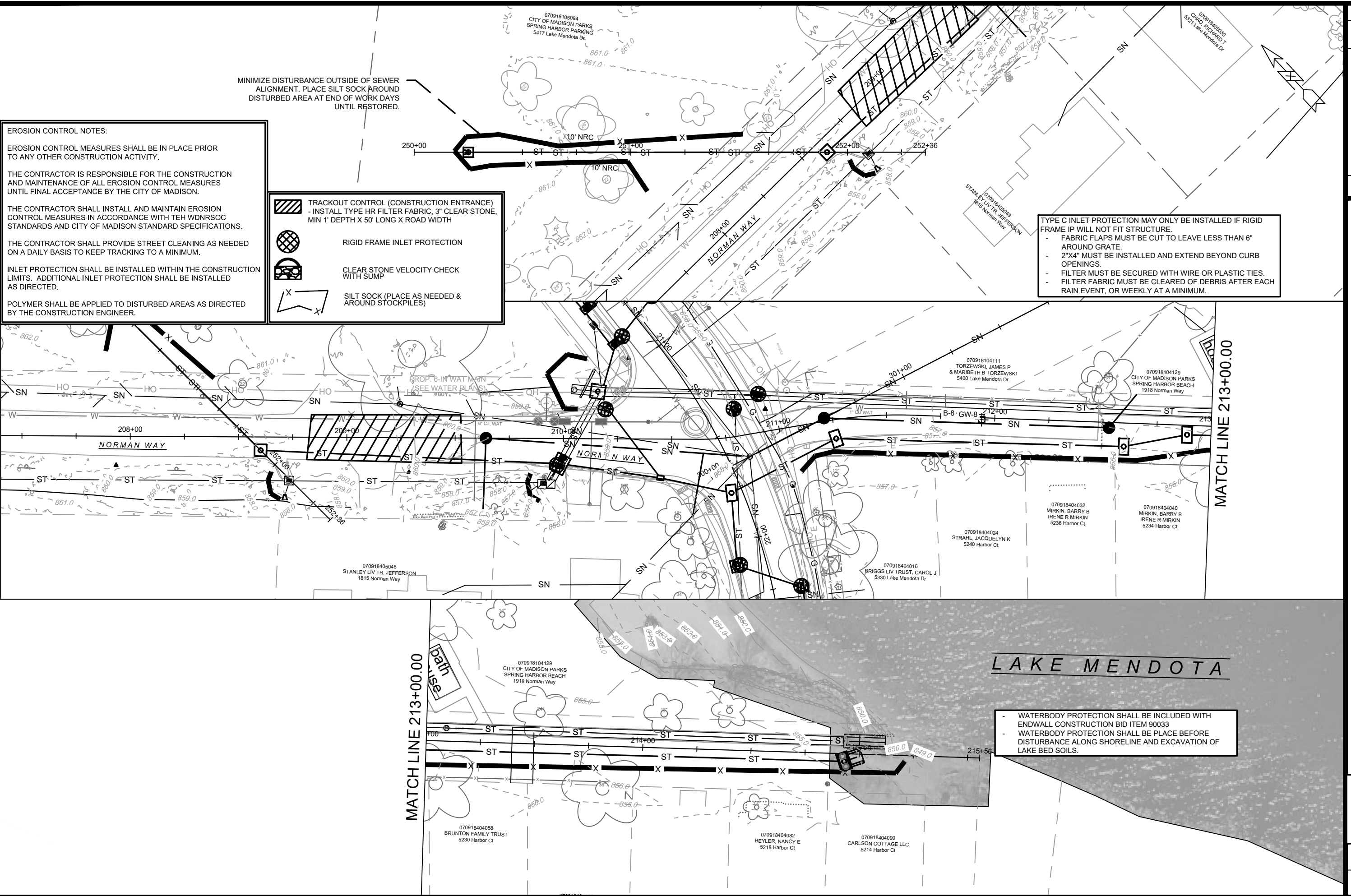
 CLEAR STONE VELOCITY CHECK WITH SUMP

 SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME IP WILL NOT FIT STRUCTURE.

- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
- 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
- FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

MINIMIZE DISTURBANCE OUTSIDE OF SEWER ALIGNMENT. PLACE SILT SOCK AROUND DISTURBED AREA AT END OF WORK DAYS UNTIL RESTORED.



MATCH LINE 213+00.00

MATCH LINE 213+00.00

LAKE MENDOTA

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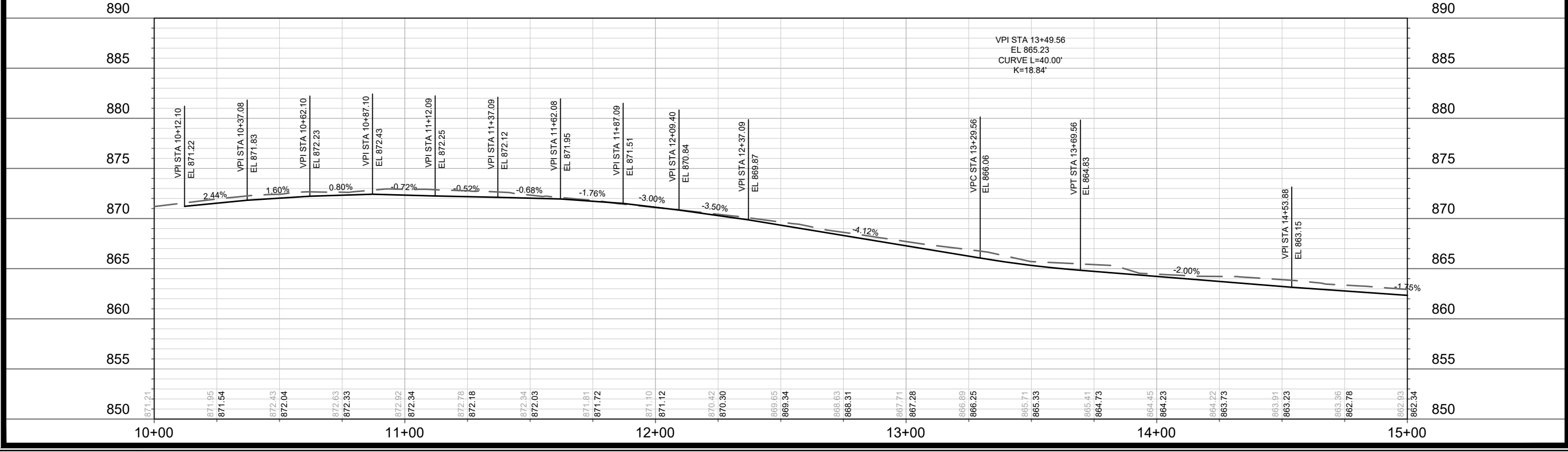
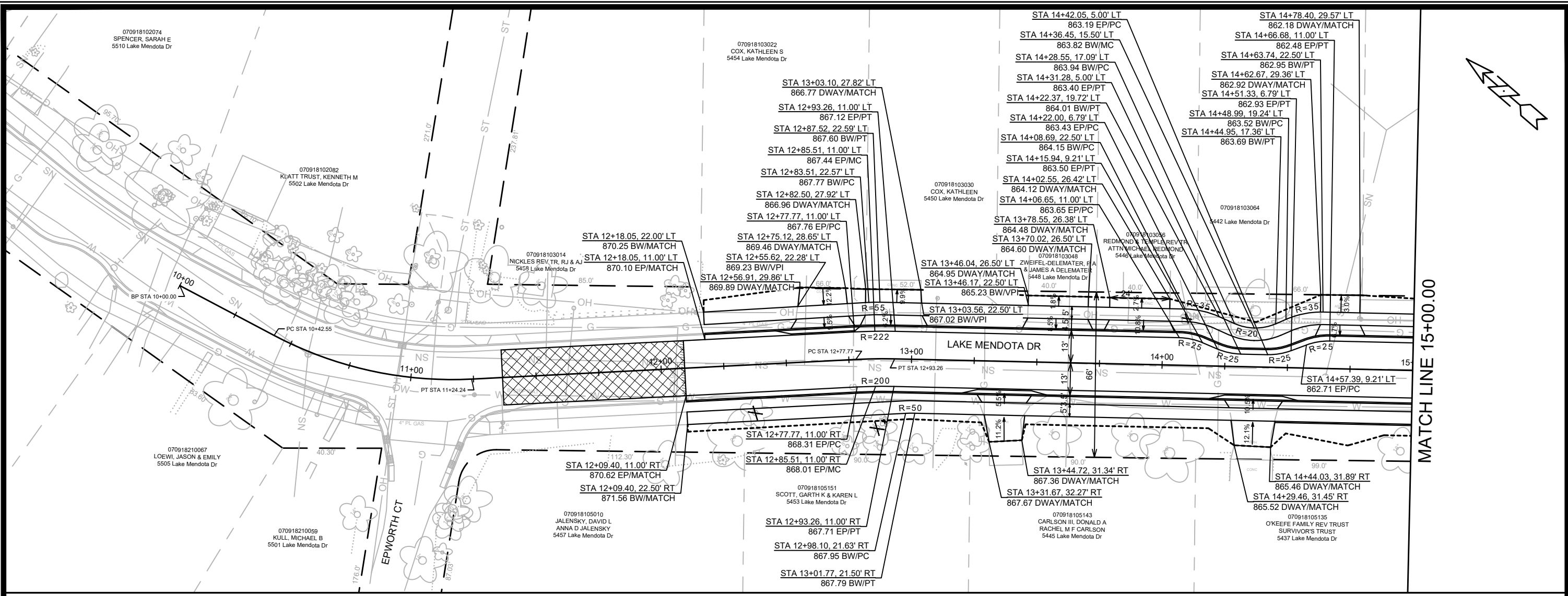
14083  
MADISON, WI  
8743

NORMAN WAY - EROSION CONTROL  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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EC-3

EC-3



MATCH LINE 15+00.00

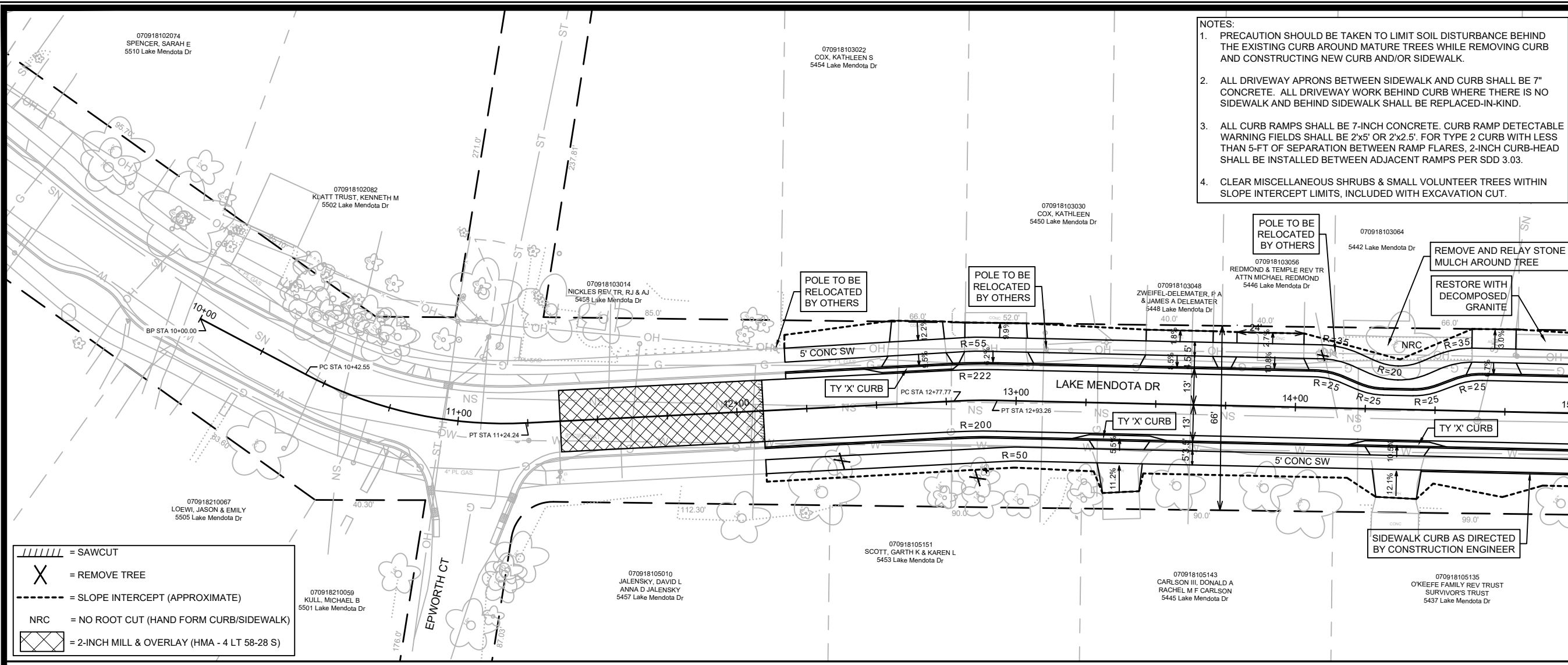
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14083  
MADISON, WI  
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - PLAN & PROFILE  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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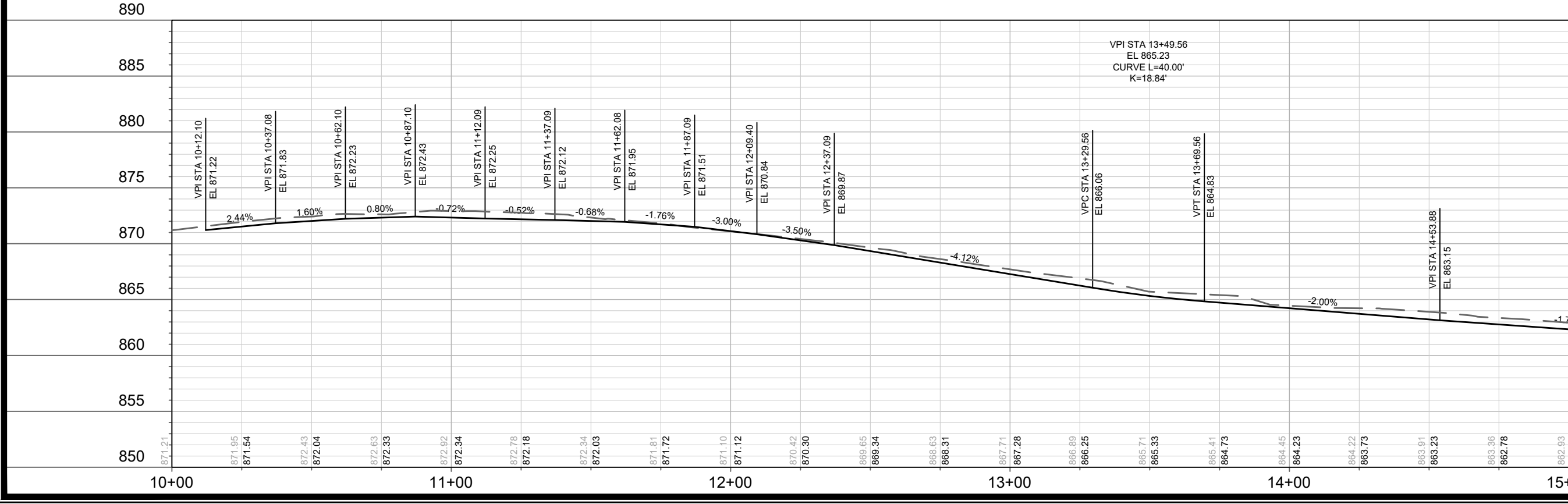
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P-1



- NOTES:
1. PRECAUTION SHOULD BE TAKEN TO LIMIT SOIL DISTURBANCE BEHIND THE EXISTING CURB AROUND MATURE TREES WHILE REMOVING CURB AND CONSTRUCTING NEW CURB AND/OR SIDEWALK.
  2. ALL DRIVEWAY APRONS BETWEEN SIDEWALK AND CURB SHALL BE 7" CONCRETE. ALL DRIVEWAY WORK BEHIND CURB WHERE THERE IS NO SIDEWALK AND BEHIND SIDEWALK SHALL BE REPLACED-IN-KIND.
  3. ALL CURB RAMPS SHALL BE 7-INCH CONCRETE. CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'x5' OR 2'x2.5'. FOR TYPE 2 CURB WITH LESS THAN 5-FT OF SEPARATION BETWEEN RAMP FLARES, 2-INCH CURB-HEAD SHALL BE INSTALLED BETWEEN ADJACENT RAMPS PER SDD 3.03.
  4. CLEAR MISCELLANEOUS SHRUBS & SMALL VOLUNTEER TREES WITHIN SLOPE INTERCEPT LIMITS, INCLUDED WITH EXCAVATION CUT.

= SAWCUT  
 = REMOVE TREE  
 = SLOPE INTERCEPT (APPROXIMATE)  
 NRC = NO ROOT CUT (HAND FORM CURB/SIDEWALK)  
 = 2-INCH MILL & OVERLAY (HMA - 4 LT 58-28 S)

MATCH LINE 15+00.00



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| DATE             | BY                       |
| REVISION         |                          |
| MARK             |                          |
| Designed By: AJC | Date: 2/27/2024 12:47 PM |
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14083  
MADISON, WI  
CONTRACT NO.: 8743

LAKE MENDOTA DRIVE - PLAN & PROFILE  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

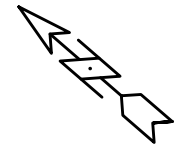
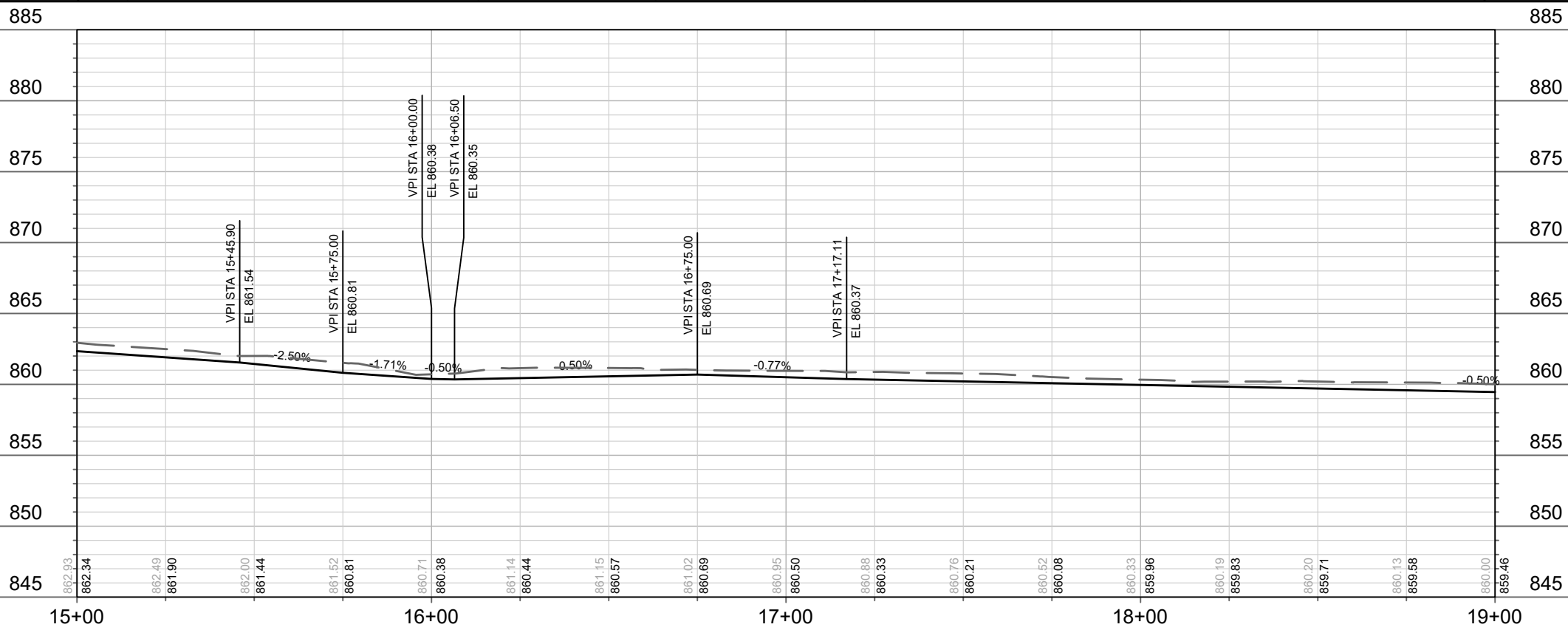
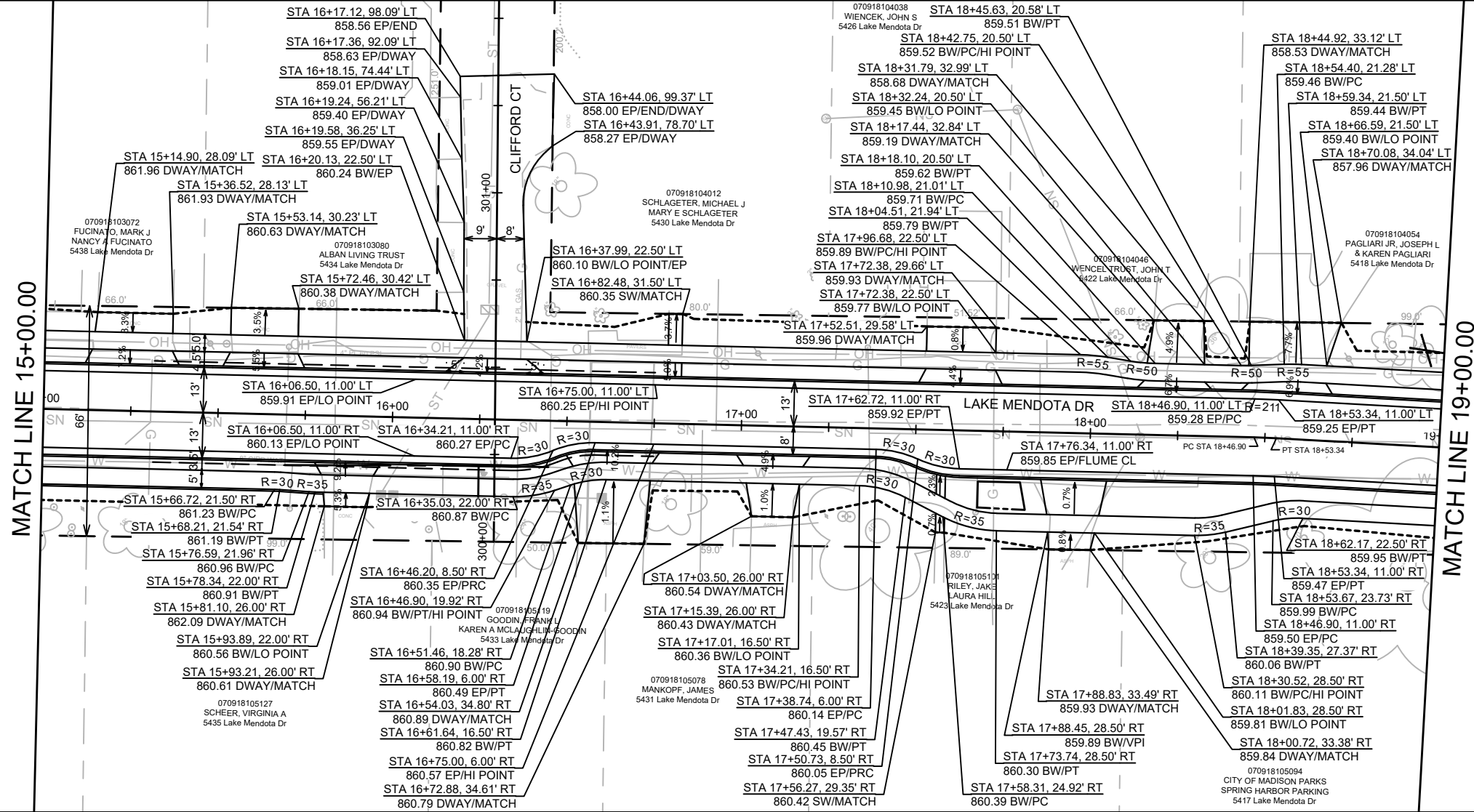
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MATCH LINE 15+00.00

MATCH LINE 19+00.00



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14083  
MADISON, WI  
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - PLAN & PROFILE  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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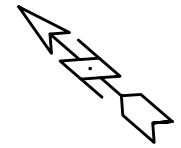
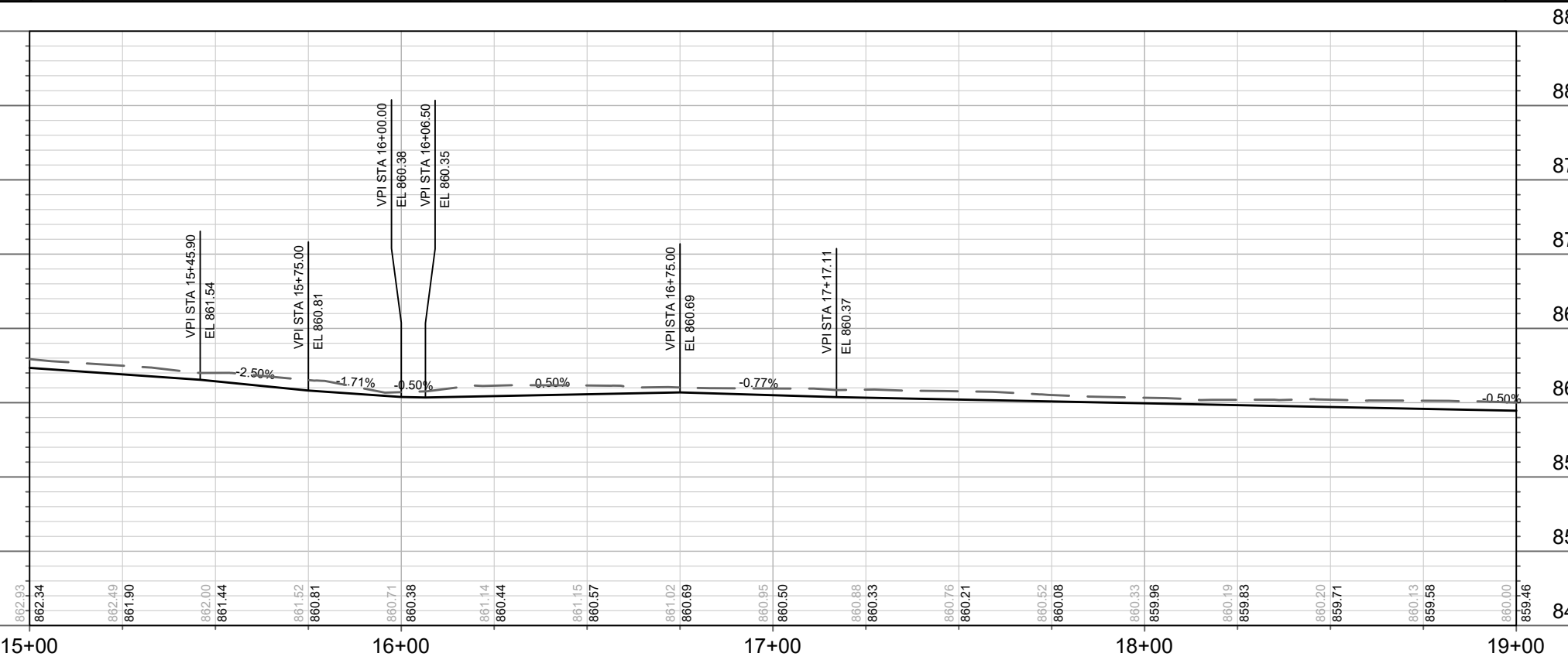
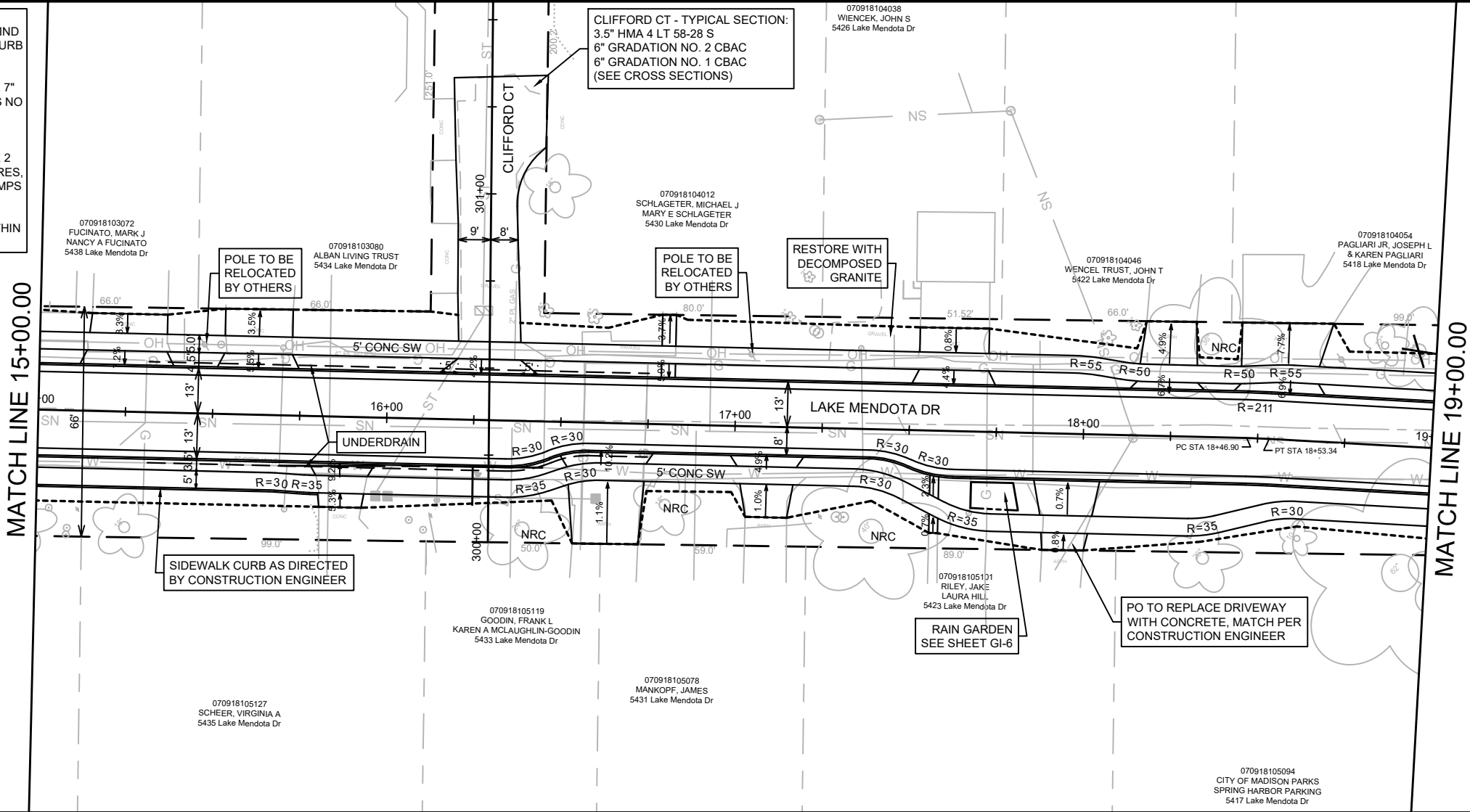


14083  
P-2



- NOTES:
1. PRECAUTION SHOULD BE TAKEN TO LIMIT SOIL DISTURBANCE BEHIND THE EXISTING CURB AROUND MATURE TREES WHILE REMOVING CURB AND CONSTRUCTING NEW CURB AND/OR SIDEWALK.
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  3. ALL CURB RAMP SHALL BE 7-INCH CONCRETE. CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'x5' OR 2'x2.5'. FOR TYPE 2 CURB WITH LESS THAN 5-FT OF SEPARATION BETWEEN RAMP FLARES, 2-INCH CURB-HEAD SHALL BE INSTALLED BETWEEN ADJACENT RAMP PER SDD 3.03.
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- ////// = SAWCUT
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- - - - = SLOPE INTERCEPT (APPROXIMATE)
- NRC = NO ROOT CUT (HAND FORM CURB/SIDEWALK)



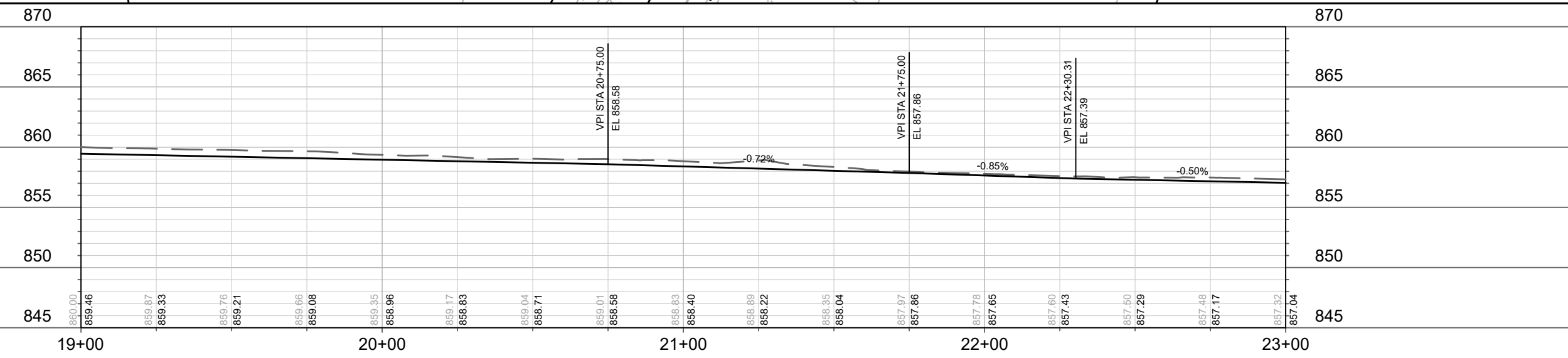
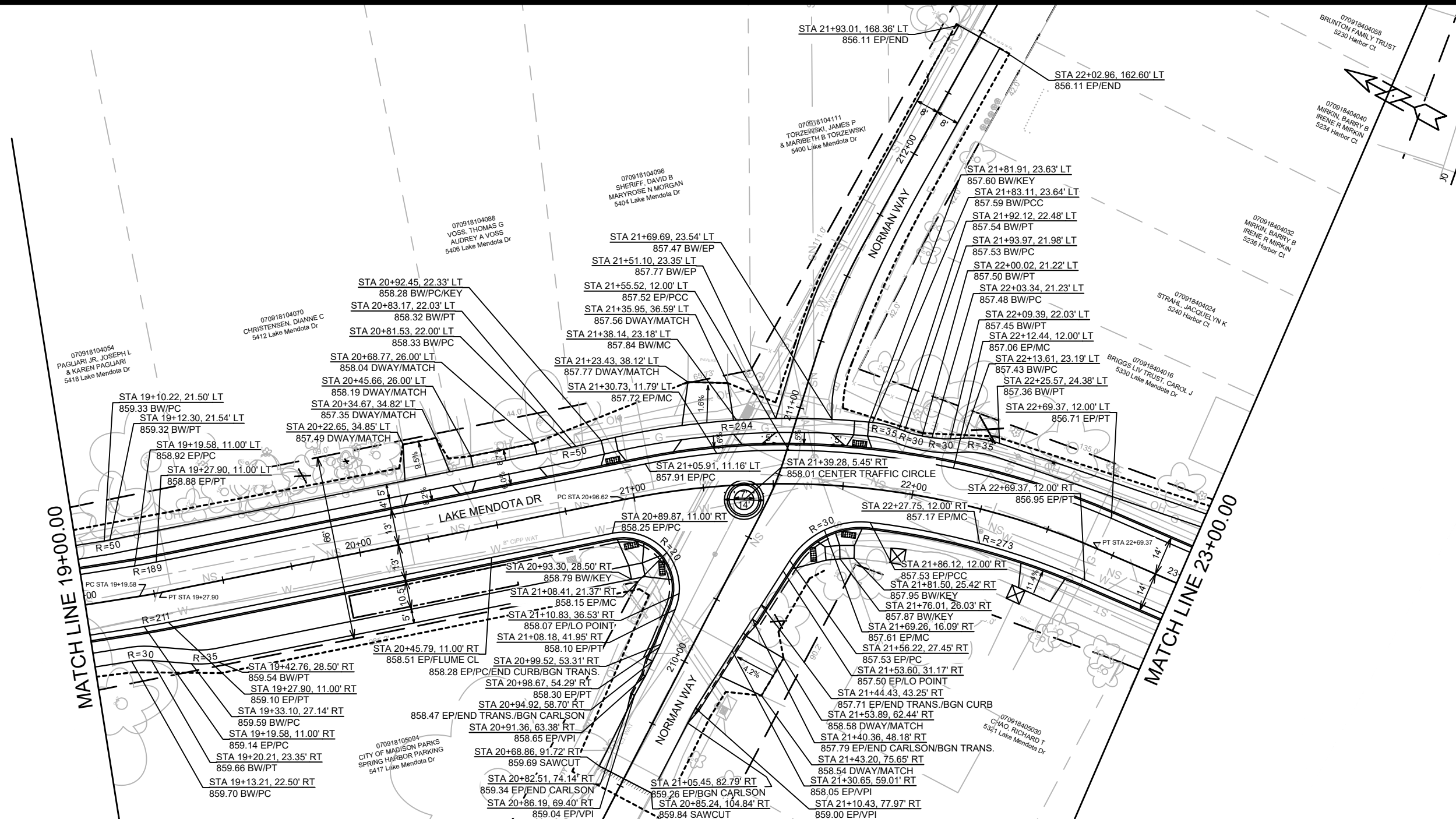
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MADISON, WI  
8743  
CONTRACT NO:

LAKE MENDOTA DRIVE - PLAN & PROFILE  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
P-2(+)

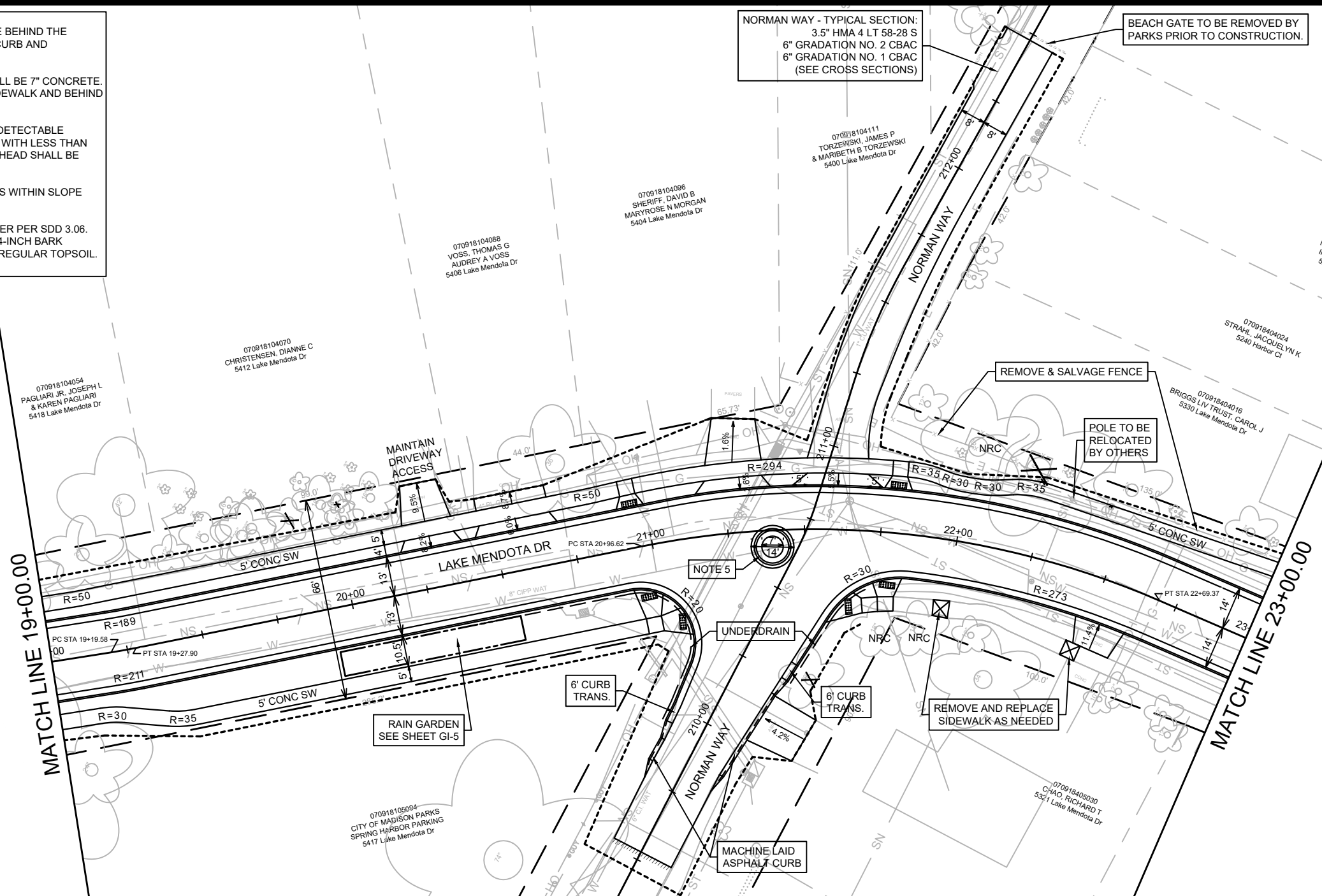


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| 14083  | 14083       | 8743   | 14083 |
| MADISON, WI  | MADISON, WI | 8743   | 14083 |
| LAKE MENDOTA DRIVE - PLAN & PROFILE                  |             | LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024        |       |
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| 14083  |             | 14083  |       |
| P-3  |             | P-3  |       |

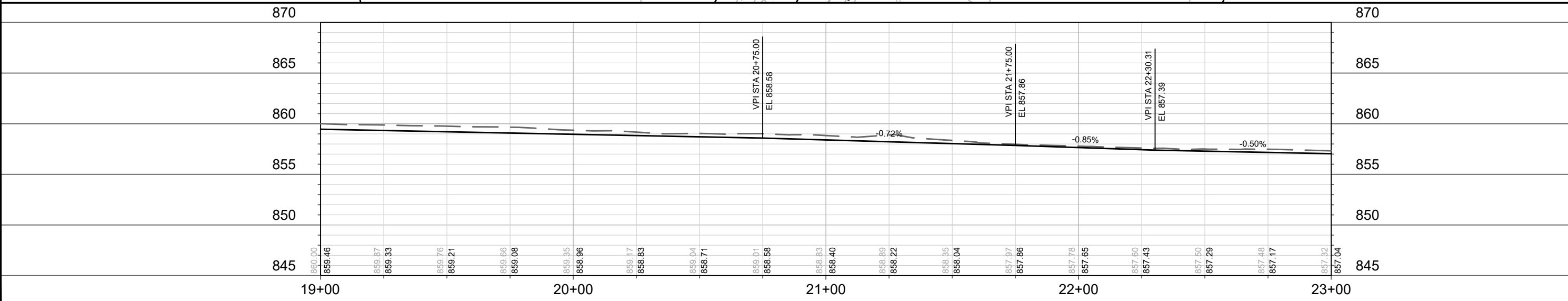
- NOTES:
1. PRECAUTION SHOULD BE TAKEN TO LIMIT SOIL DISTURBANCE BEHIND THE EXISTING CURB AROUND MATURE TREES WHILE REMOVING CURB AND CONSTRUCTING NEW CURB AND/OR SIDEWALK.
  2. ALL DRIVEWAY APRONS BETWEEN SIDEWALK AND CURB SHALL BE 7" CONCRETE. ALL DRIVEWAY WORK BEHIND CURB WHERE THERE IS NO SIDEWALK AND BEHIND SIDEWALK SHALL BE REPLACED-IN-KIND.
  3. ALL CURB RAMPS SHALL BE 7-INCH CONCRETE. CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'x5' OR 2'x2.5'. FOR TYPE 2 CURB WITH LESS THAN 5-FT OF SEPARATION BETWEEN RAMP FLARES, 2-INCH CURB-HEAD SHALL BE INSTALLED BETWEEN ADJACENT RAMPS PER SDD 3.03.
  4. CLEAR MISCELLANEOUS SHRUBS & SMALL VOLUNTEER TREES WITHIN SLOPE INTERCEPT LIMITS, INCLUDED WITH EXCAVATION CUT.
  5. TRAFFIC CIRCLE WITH MOUNTABLE CONCRETE CURB & GUTTER PER SDD 3.06. RESTORE 7-FT DIAMETER CENTER OF TRAFFIC CIRCLE WITH 4-INCH BARK MULCH; OVER 6-INCH PLANTING MIX TOPSOIL; OVER 12-INCH REGULAR TOPSOIL. PLANTING BY OTHERS.

NORMAN WAY - TYPICAL SECTION:  
 3.5" HMA 4 LT 58-28 S  
 6" GRADATION NO. 2 CBAC  
 6" GRADATION NO. 1 CBAC  
 (SEE CROSS SECTIONS)

BEACH GATE TO BE REMOVED BY PARKS PRIOR TO CONSTRUCTION.



- //// = SAWCUT
- X = REMOVE TREE
- - - = SLOPE INTERCEPT (APPROXIMATE)
- NRC = NO ROOT CUT (HAND FORM CURB/SIDEWALK)



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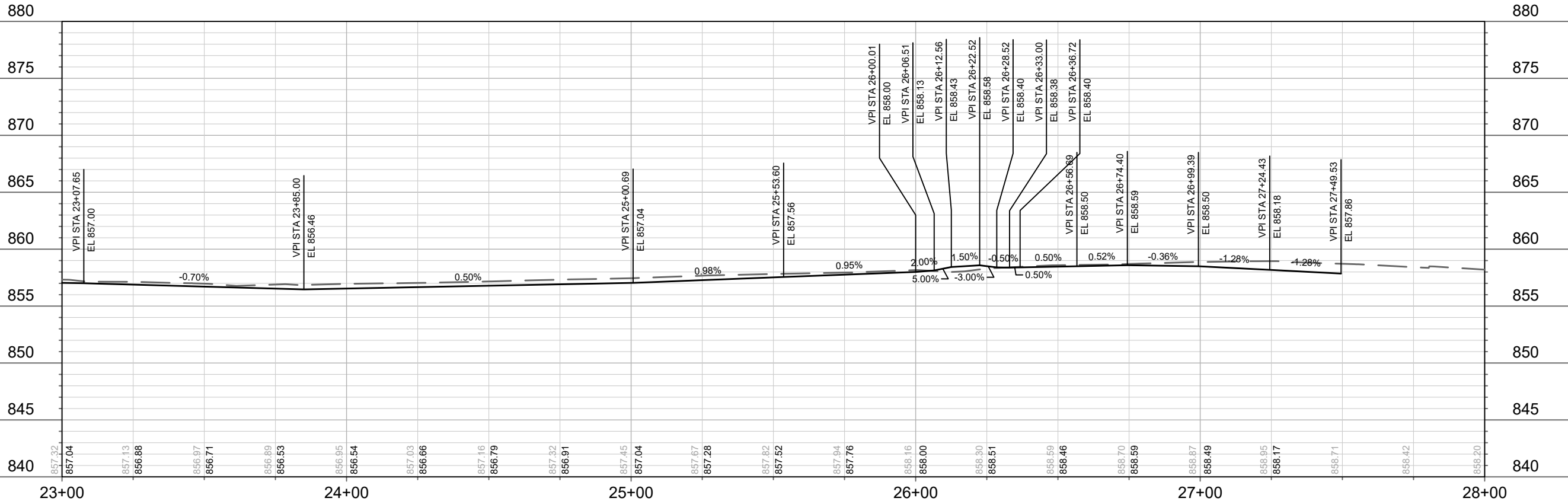
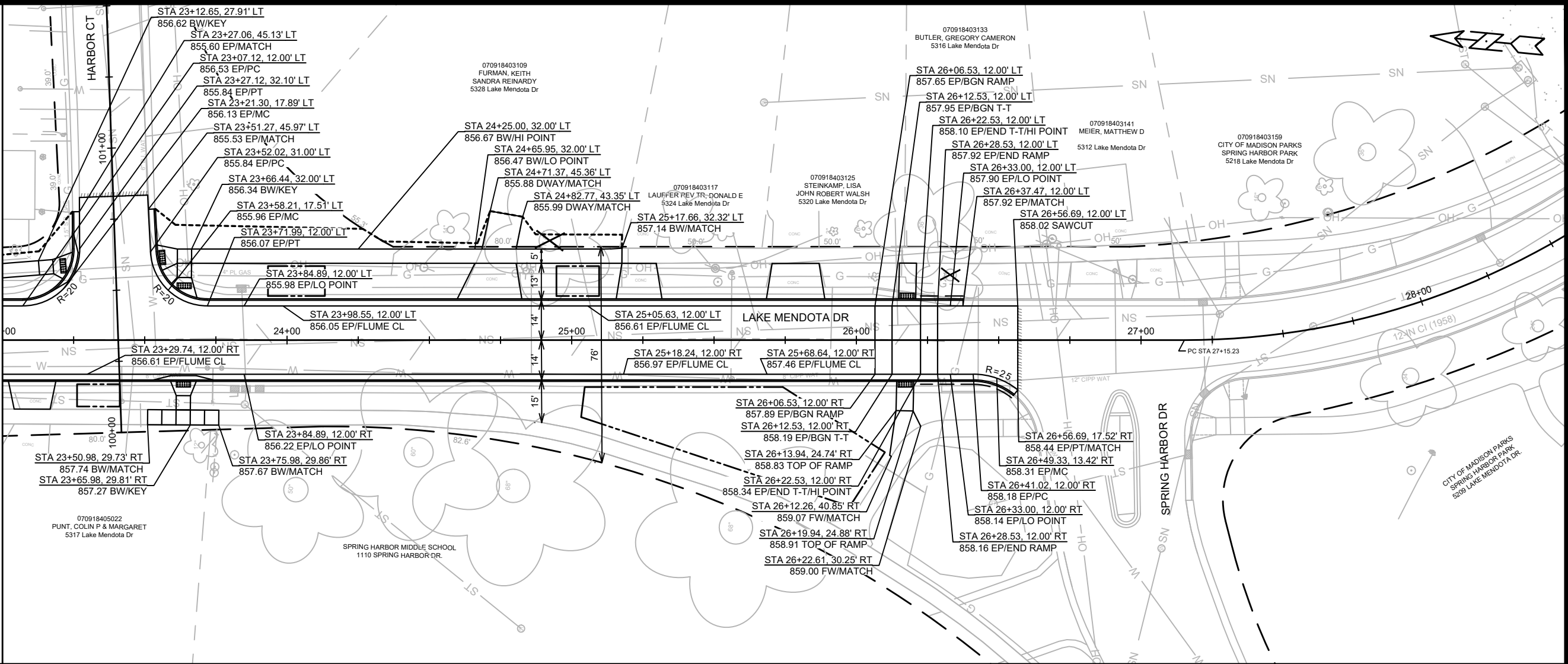
14083  
 MADISON, WI  
 8743  
 CONTRACT NO:

LAKE MENDOTA DRIVE - PLAN & PROFILE  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
 P-3(+)

MATCH LINE 23+00.00



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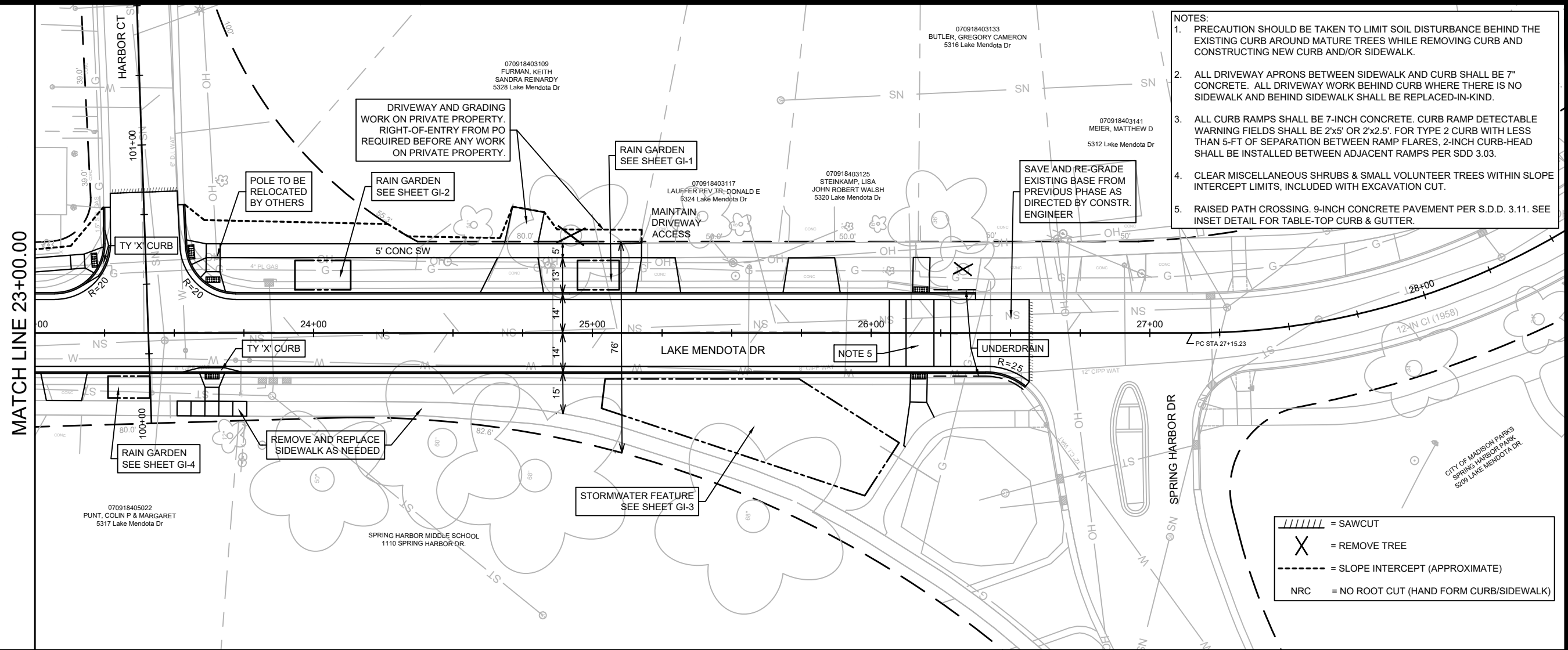
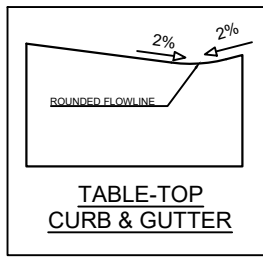
14083  
 MADISON, WI  
 CONTRACT NO.: 8743

LAKE MENDOTA DRIVE - PLAN & PROFILE  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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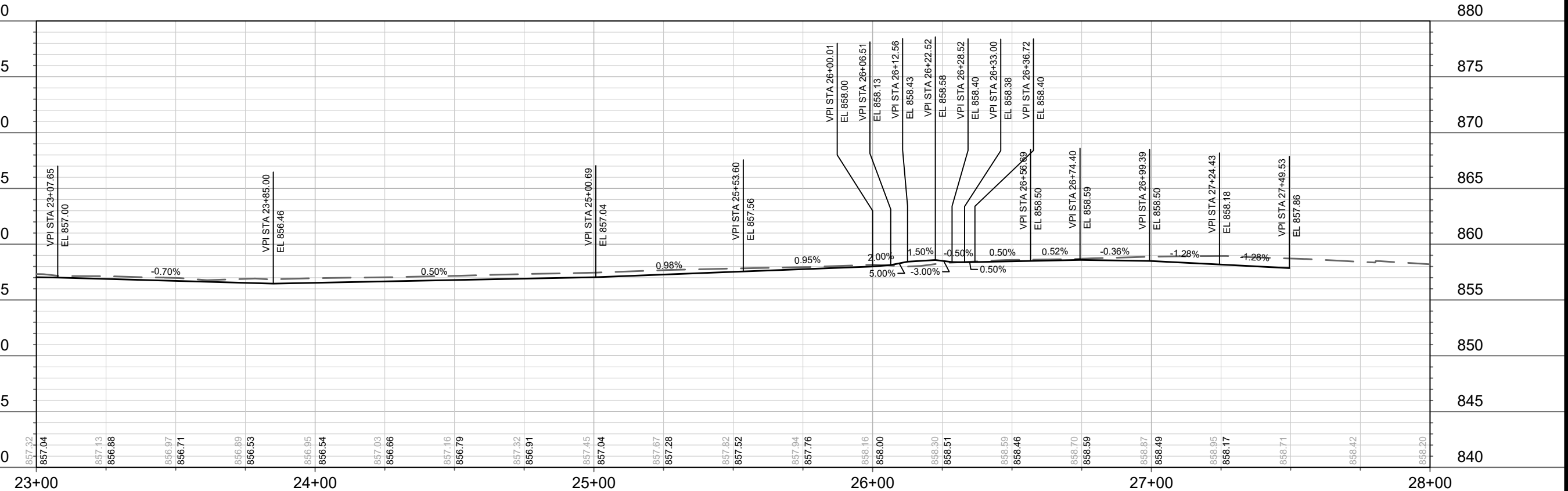
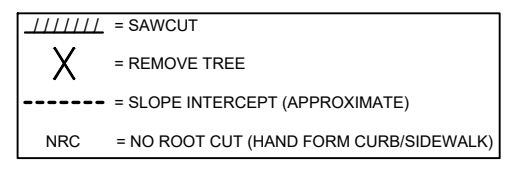


14083  
 P-4





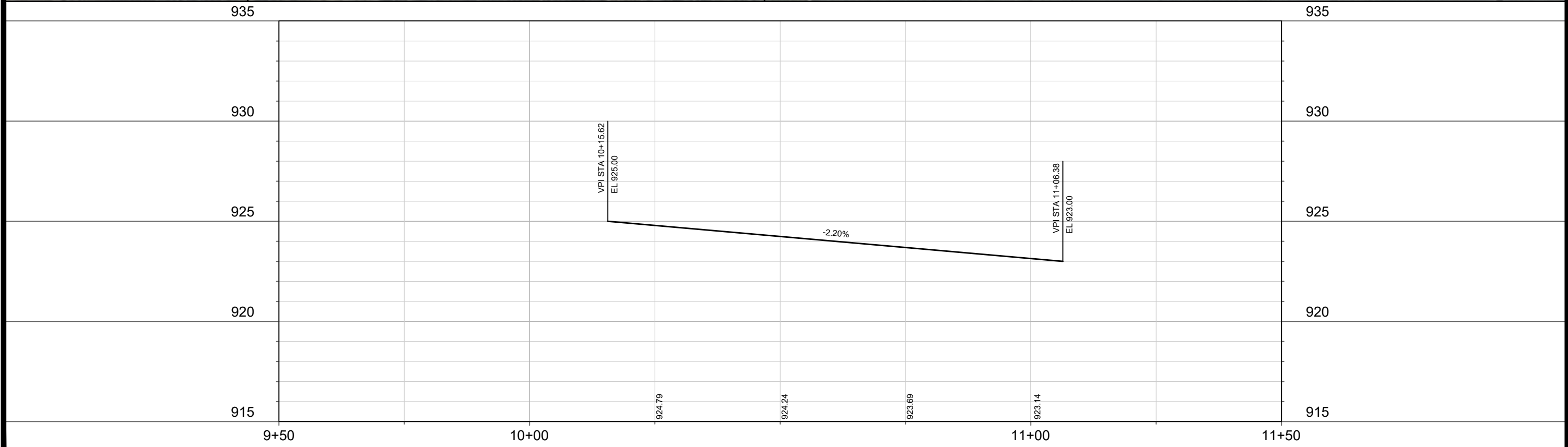
- NOTES:**
1. PRECAUTION SHOULD BE TAKEN TO LIMIT SOIL DISTURBANCE BEHIND THE EXISTING CURB AROUND MATURE TREES WHILE REMOVING CURB AND CONSTRUCTING NEW CURB AND/OR SIDEWALK.
  2. ALL DRIVEWAY APRONS BETWEEN SIDEWALK AND CURB SHALL BE 7" CONCRETE. ALL DRIVEWAY WORK BEHIND CURB WHERE THERE IS NO SIDEWALK AND BEHIND SIDEWALK SHALL BE REPLACED-IN-KIND.
  3. ALL CURB RAMPS SHALL BE 7-INCH CONCRETE. CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'x5' OR 2'x2.5'. FOR TYPE 2 CURB WITH LESS THAN 5-FT OF SEPARATION BETWEEN RAMP FLARES, 2-INCH CURB-HEAD SHALL BE INSTALLED BETWEEN ADJACENT RAMPS PER SDD 3.03.
  4. CLEAR MISCELLANEOUS SHRUBS & SMALL VOLUNTEER TREES WITHIN SLOPE INTERCEPT LIMITS, INCLUDED WITH EXCAVATION CUT.
  5. RAISED PATH CROSSING. 9-INCH CONCRETE PAVEMENT PER S.D.D. 3.11. SEE INSET DETAIL FOR TABLE-TOP CURB & GUTTER.




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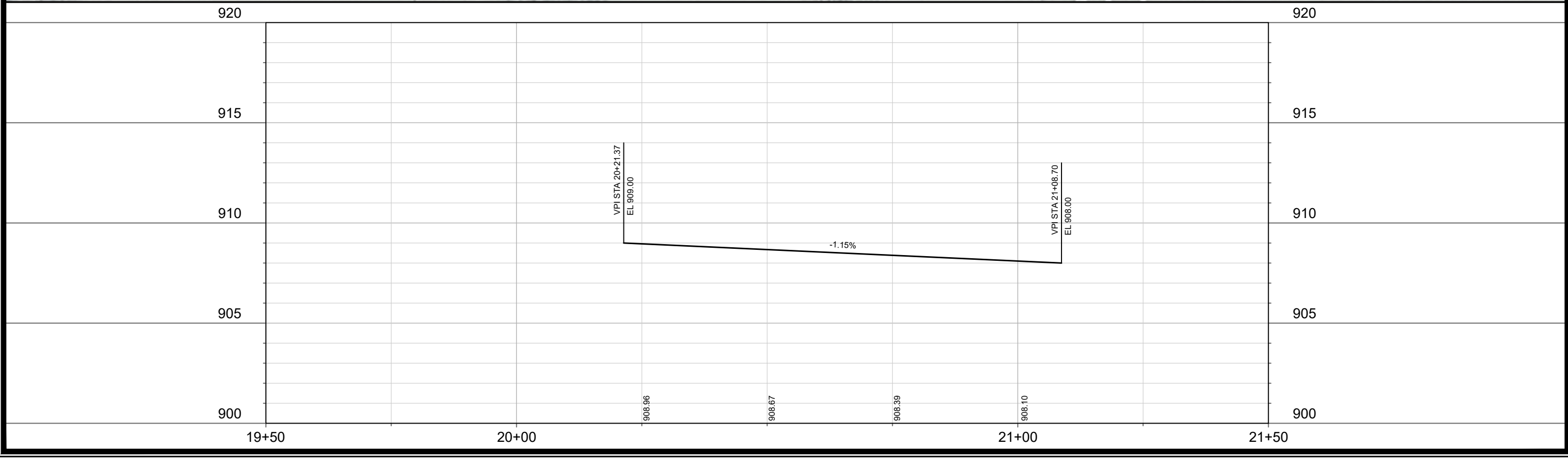
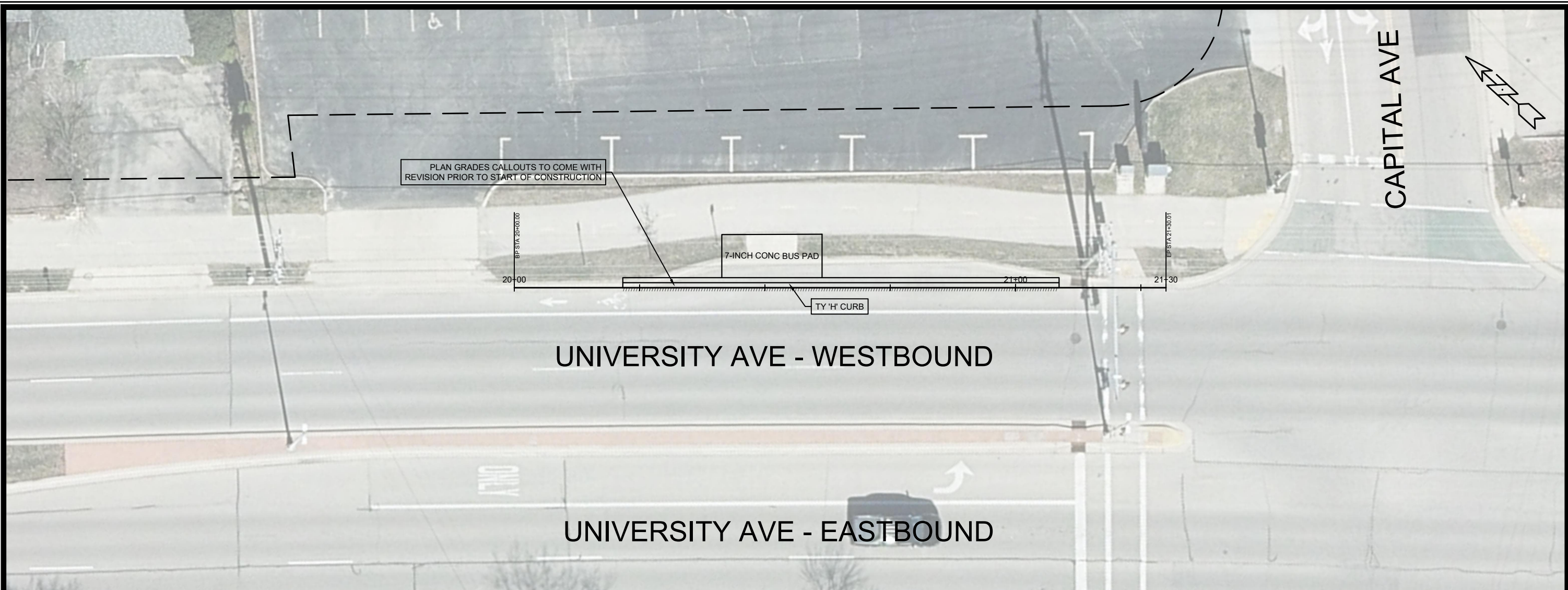
**14083**  
**MADISON, WI**  
**CONTRACT NO: 8743**  
**LAKE MENDOTA DRIVE - PLAN & PROFILE**  
**LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024**  
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**14083**  
**P-4(+)**



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|---|----------------------------|--|-----------------------------|---|
|    | <b>14083</b><br><b>P-5</b> | <b>UNIVERSITY AVE @ ALLEN BLVD - BUS PULLOUT REMOVAL</b><br><b>LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024</b> | <b>14083</b><br><b>8743</b> | <b>MADISON, WI</b><br><b>CONTRACT NO:</b> |
| <small>           M:\DESIGN\Projects\14083\CAD\Streets\14083EN-PrP.dwg<br/>           Designed By: AJC    Date: 1/29/2024 4:18 PM    Scale: 1" = 20'<br/>           MARK    REVISION    DATE    BY         </small> |                            | <small>           P-5         </small>   |                             |   |





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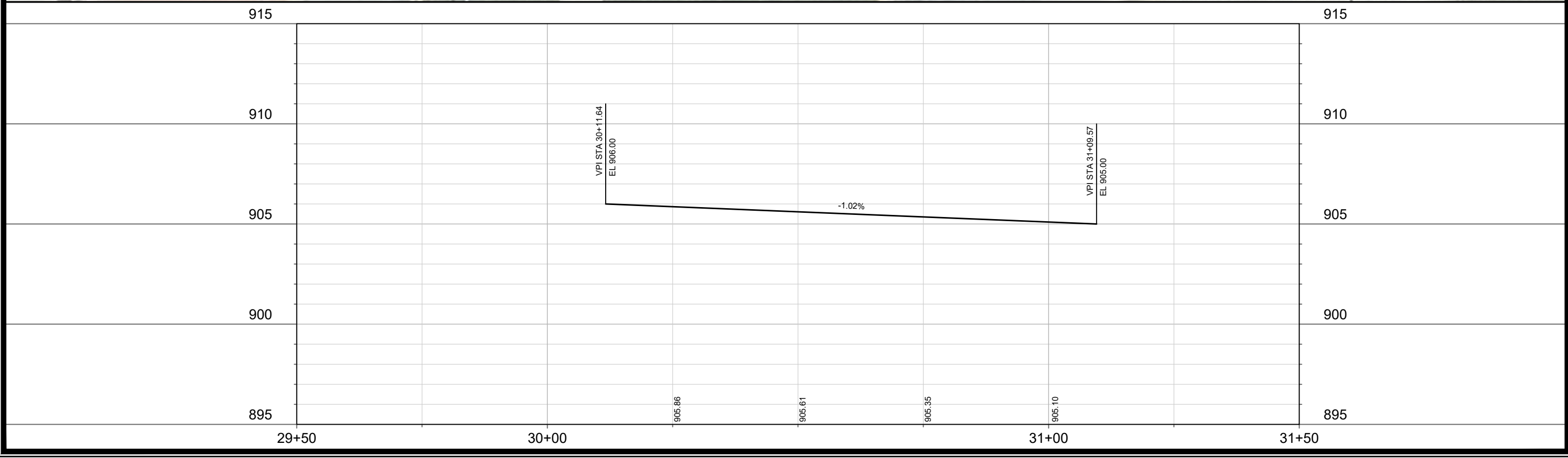
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 UNIVERSITY AVE @ CAPITAL AVE - BUS PULLOUT REMOVAL  
 MADISON, WI  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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 8743  
 CONTRACT NO:



14083  
 P-6

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 Date: 1/29/2024 4:18 PM  
 Scale: 1" = 20'  
 P-6





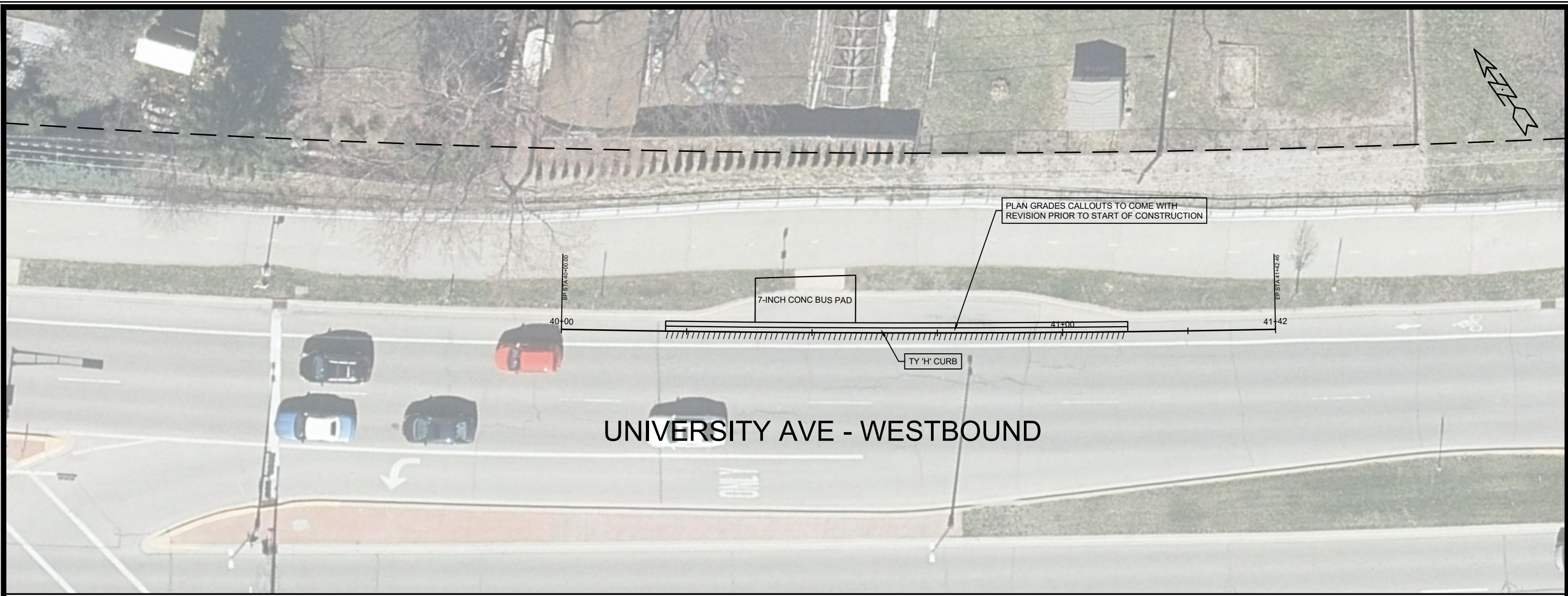
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UNIVERSITY AVE @ NORMAN WAY - BUS PULLOUT REMOVAL  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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 14083  
 MADISON, WI  
 8743  
 CONTRACT NO:

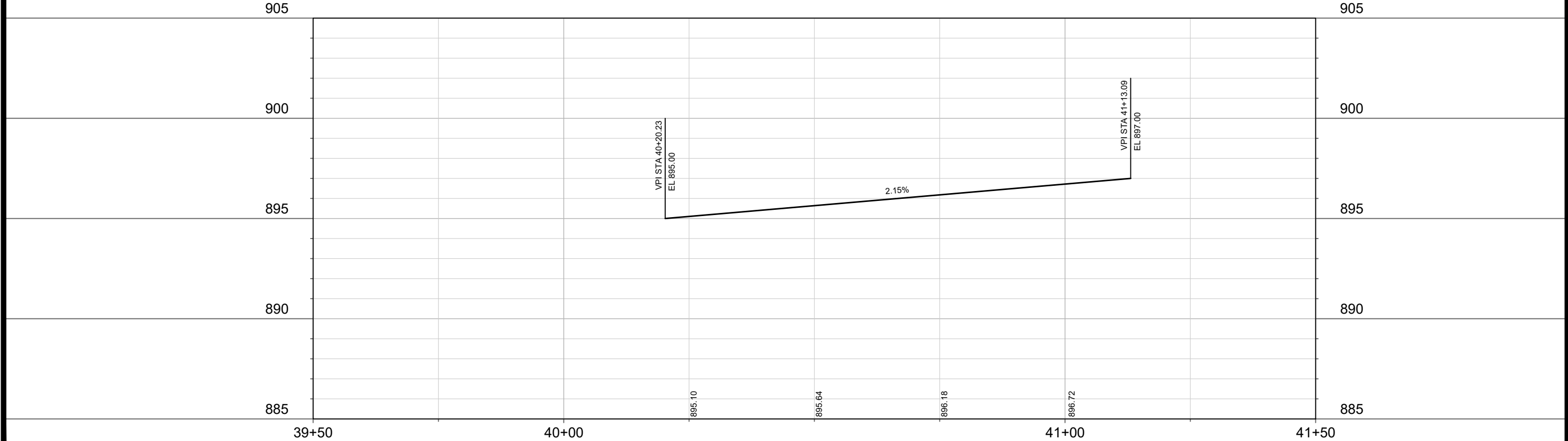


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 P-7





UNIVERSITY AVE - WESTBOUND

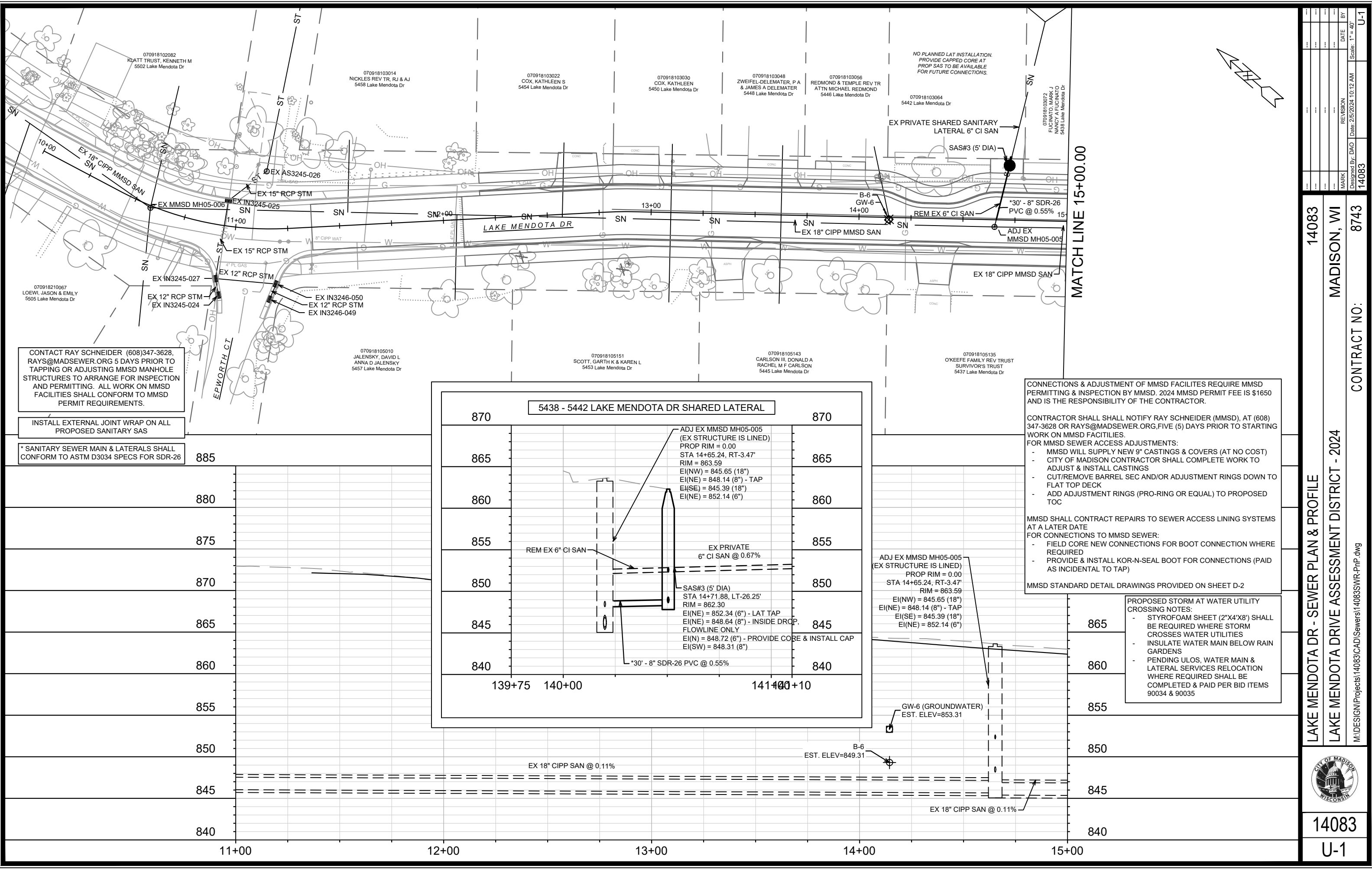


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14083  
 UNIVERSITY AVE @ N WHITNEY WAY - BUS PULLOUT REMOVAL  
 MADISON, WI  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
 CONTRACT NO: 8743  
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 14083  
 P-8



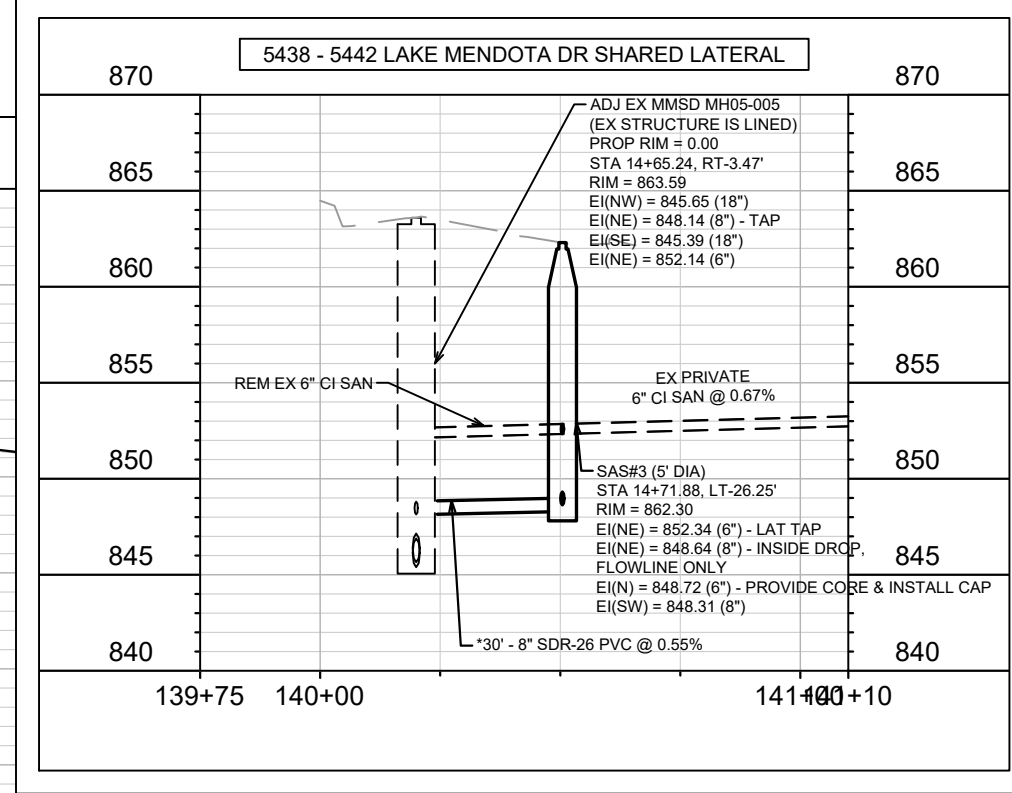
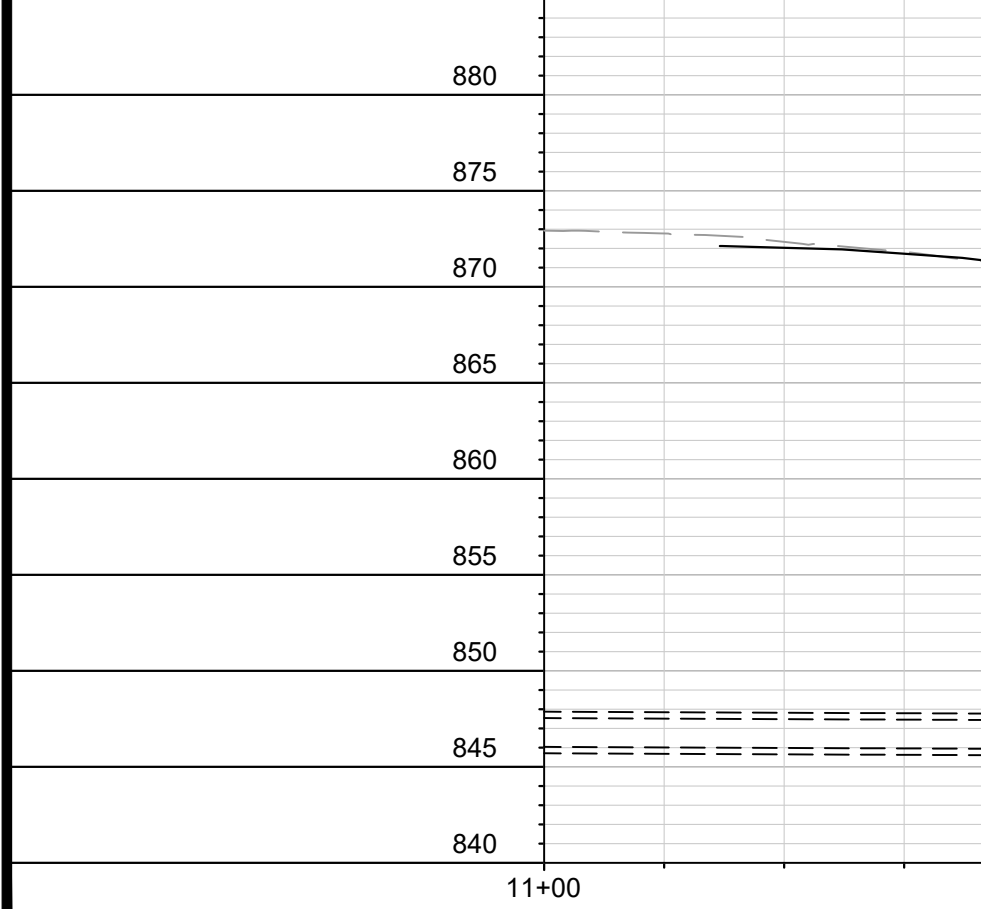
14083  
 P-8



CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

\* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26



CONNECTIONS & ADJUSTMENT OF MMSD FACILITIES REQUIRE MMSD PERMITTING & INSPECTION BY MMSD. 2024 MMSD PERMIT FEE IS \$1650 AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL NOTIFY RAY SCHNEIDER (MMSD), AT (608) 347-3628 OR RAYS@MADSEWER.ORG, FIVE (5) DAYS PRIOR TO STARTING WORK ON MMSD FACILITIES.

FOR MMSD SEWER ACCESS ADJUSTMENTS:

- MMSD WILL SUPPLY NEW 9" CASTINGS & COVERS (AT NO COST)
- CITY OF MADISON CONTRACTOR SHALL COMPLETE WORK TO ADJUST & INSTALL CASTINGS
- CUT/REMOVE BARREL SEC AND/OR ADJUSTMENT RINGS DOWN TO FLAT TOP DECK
- ADD ADJUSTMENT RINGS (PRO-RING OR EQUAL) TO PROPOSED TOC

MMSD SHALL CONTRACT REPAIRS TO SEWER ACCESS LINING SYSTEMS AT A LATER DATE

FOR CONNECTIONS TO MMSD SEWER:

- FIELD CORE NEW CONNECTIONS FOR BOOT CONNECTION WHERE REQUIRED
- PROVIDE & INSTALL KOR-N-SEAL BOOT FOR CONNECTIONS (PAID AS INCIDENTAL TO TAP)

MMSD STANDARD DETAIL DRAWINGS PROVIDED ON SHEET D-2

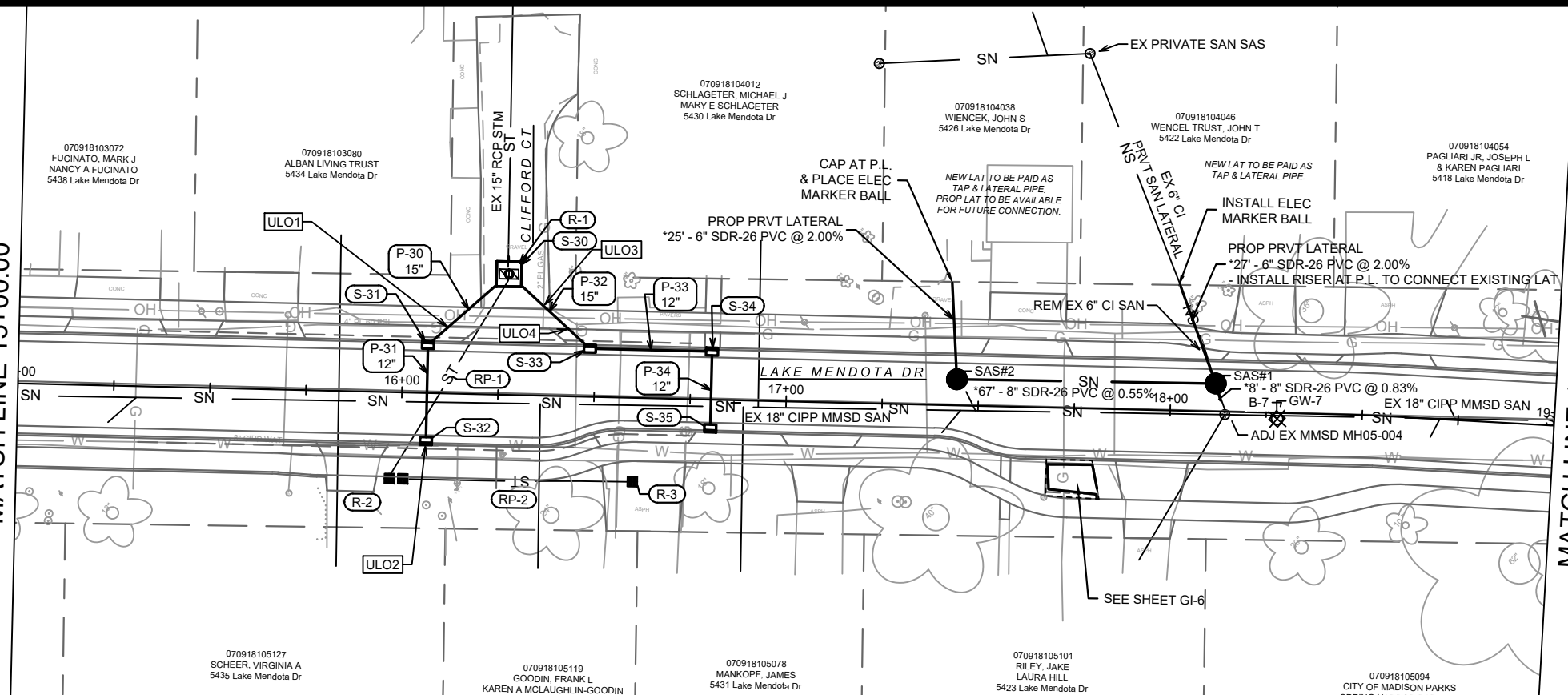
PROPOSED STORM AT WATER UTILITY CROSSING NOTES:

- STYROFOAM SHEET (2"X4'X8') SHALL BE REQUIRED WHERE STORM CROSSES WATER UTILITIES
- INSULATE WATER MAIN BELOW RAIN GARDENS
- PENDING ULOS, WATER MAIN & LATERAL SERVICES RELOCATION WHERE REQUIRED SHALL BE COMPLETED & PAID FOR BID ITEMS 90034 & 90035

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| DATE  | BY               | Scale: 1" = 40' |
| REVISION  | DATE             |                 |
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| CONTRACT NO.:                                       |                  | 8743            |
| MADISON, WI   |                  | 14083           |
| LAKE MENDOTA DR - SEWER PLAN & PROFILE              |                  | U-1             |
| LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024       |                  | 14083           |
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MATCH LINE 15+00.00

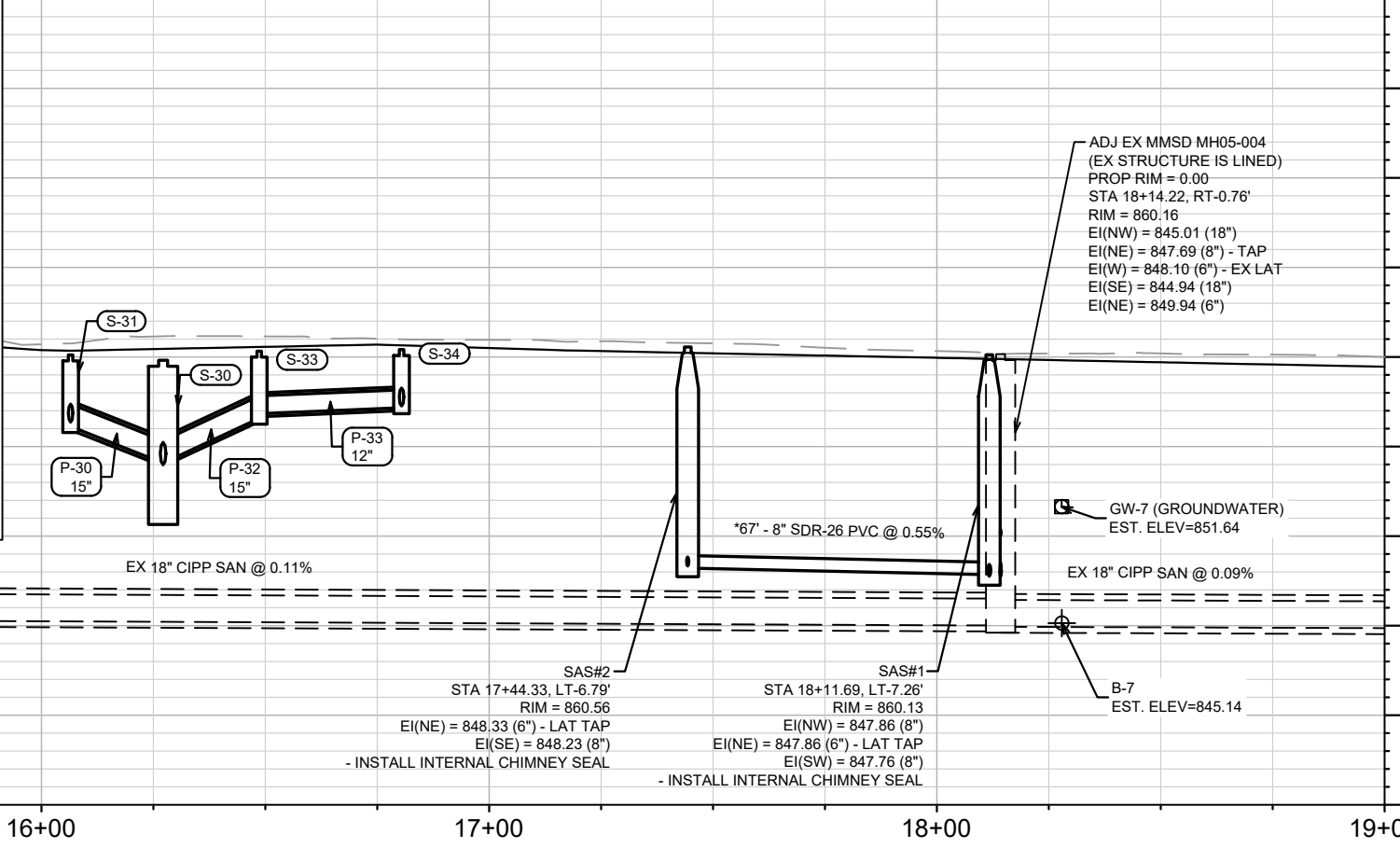
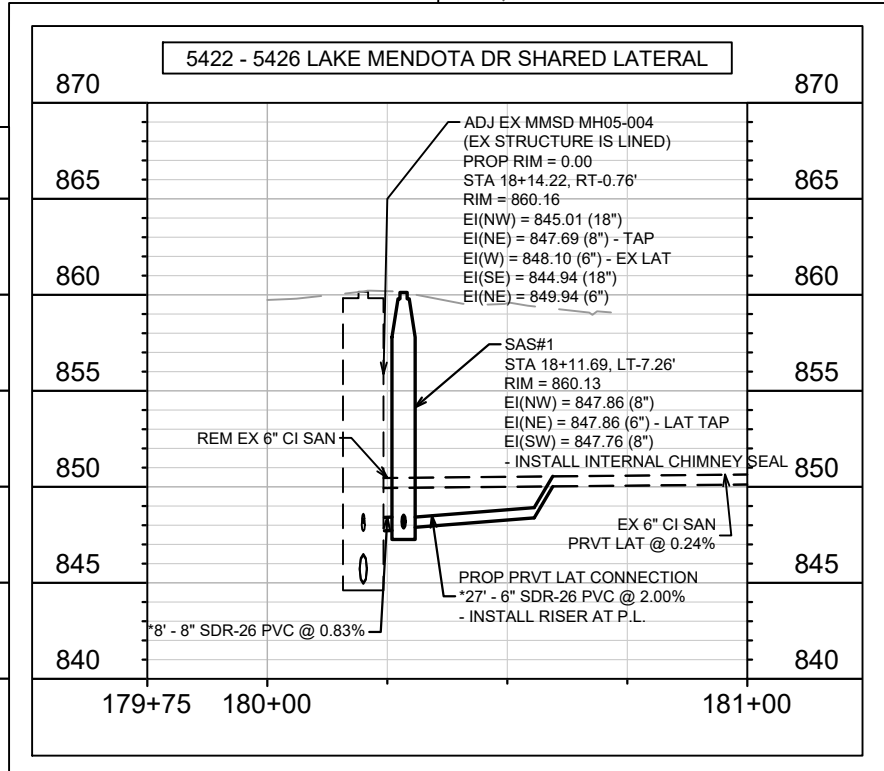
MATCH LINE 19+00.00



CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

\* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26



PROPOSED STORM AT WATER UTILITY CROSSING NOTES:  
 - STYROFOAM SHEET (2"x4"x8") SHALL BE REQUIRED WHERE STORM CROSSES WATER UTILITIES  
 - INSULATE WATER MAIN BELOW RAIN GARDENS  
 - PENDING ULOS, WATER MAIN & LATERAL SERVICES RELOCATION WHERE REQUIRED SHALL BE COMPLETED & PAID PER BID ITEMS 90034 & 90035

|     |     |
|-----|-----|
| 870 | 870 |
| 865 | 865 |
| 860 | 860 |
| 855 | 855 |
| 850 | 850 |
| 845 | 845 |
| 840 | 840 |
| 845 | 845 |
| 840 | 840 |
| 835 | 835 |

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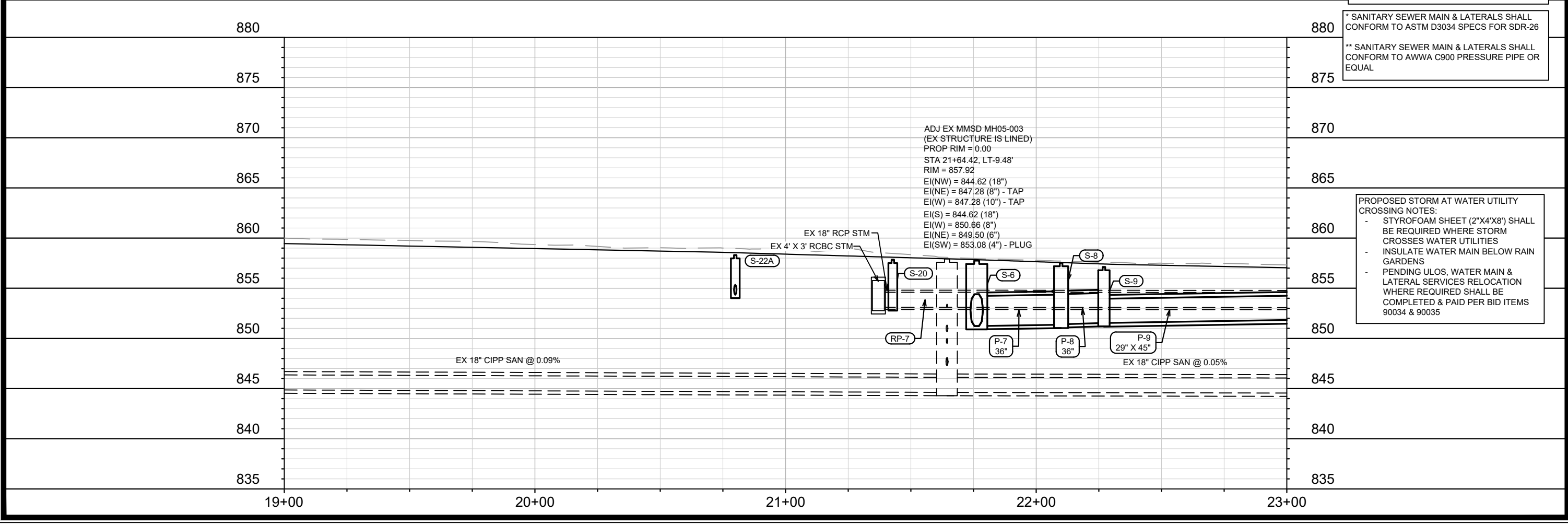
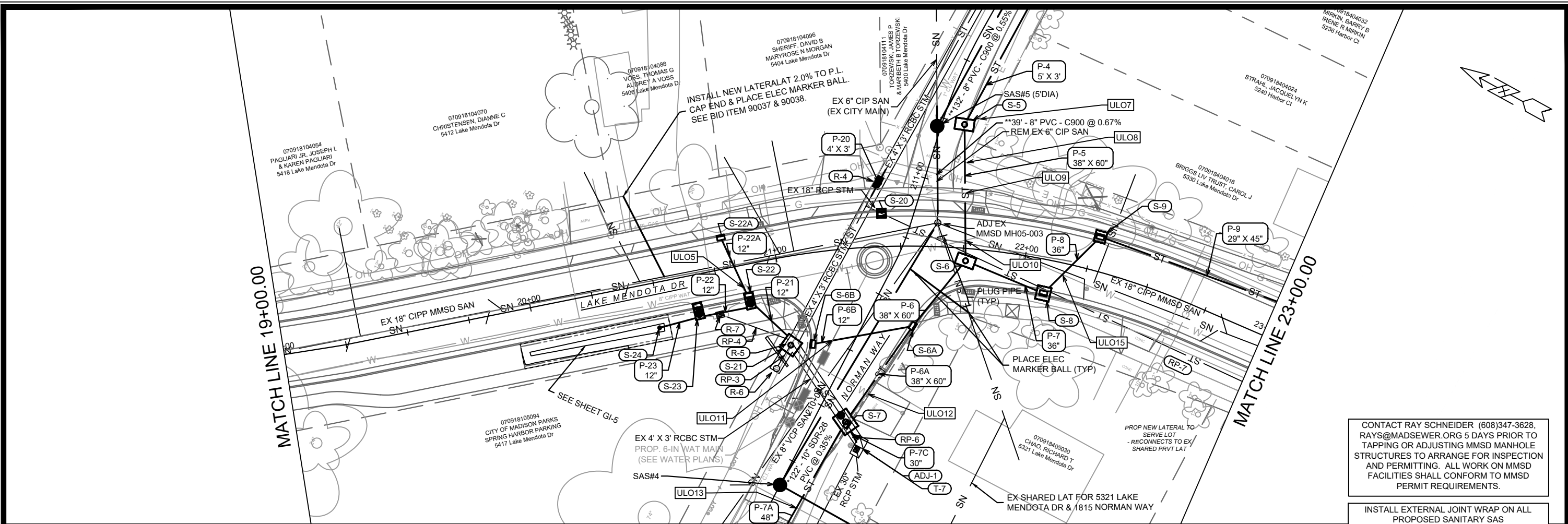
14083  
 MADISON, WI  
 8743  
 CONTRACT NO:

LAKE MENDOTA DR - SEWER PLAN & PROFILE  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
 U-2





CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

\* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26

\*\* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO AWWA C900 PRESSURE PIPE OR EQUAL

PROPOSED STORM AT WATER UTILITY CROSSING NOTES:  
 - STYROFOAM SHEET (2\"/>

ADJ EX MMSD MH05-003  
 (EX STRUCTURE IS LINED)  
 PROP RIM = 0.00  
 STA 21+64.42, LT-9.48'  
 RIM = 857.92  
 EI(NW) = 844.62 (18")  
 EI(NE) = 847.28 (8") - TAP  
 EI(W) = 847.28 (10") - TAP  
 EI(S) = 844.62 (18")  
 EI(W) = 850.66 (8")  
 EI(NE) = 849.50 (6")  
 EI(SW) = 853.08 (4") - PLUG

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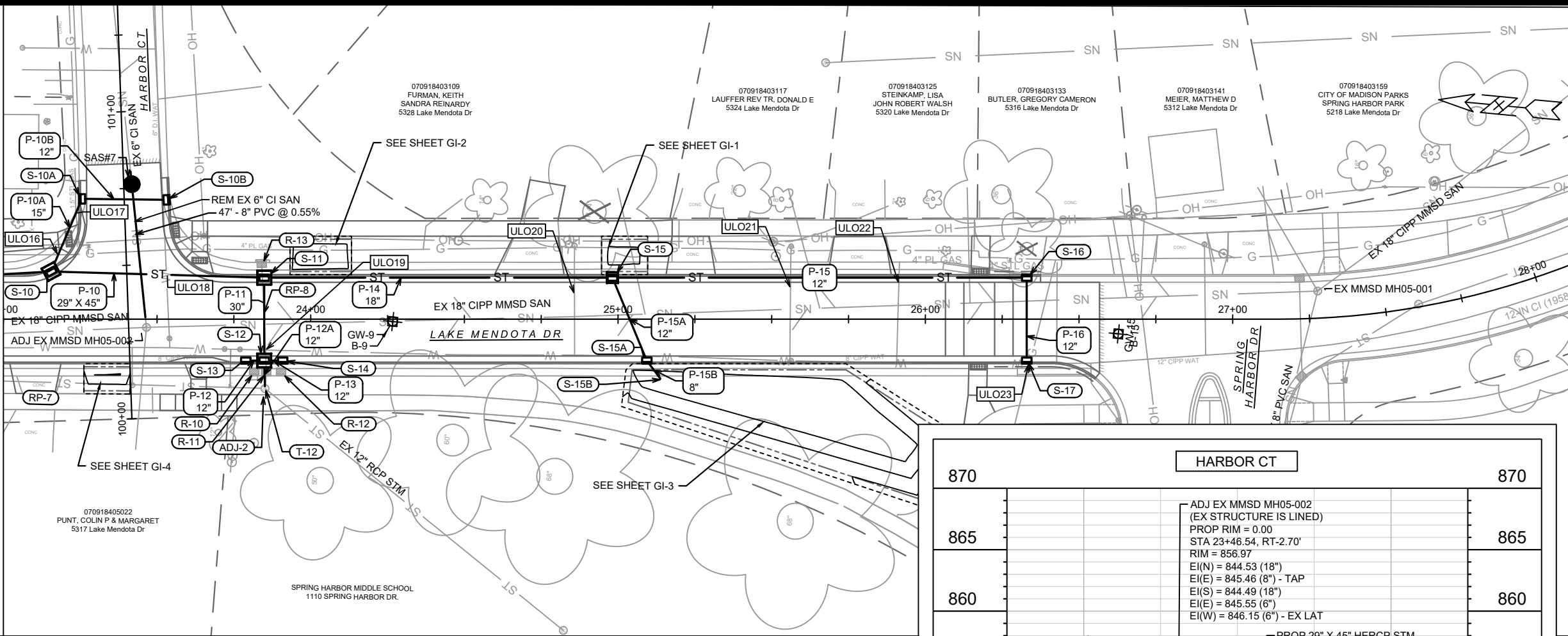
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 MADISON, WI  
 8743  
 CONTRACT NO:

LAKE MENDOTA DR - SEWER PLAN & PROFILE  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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MATCH LINE 23+00.00

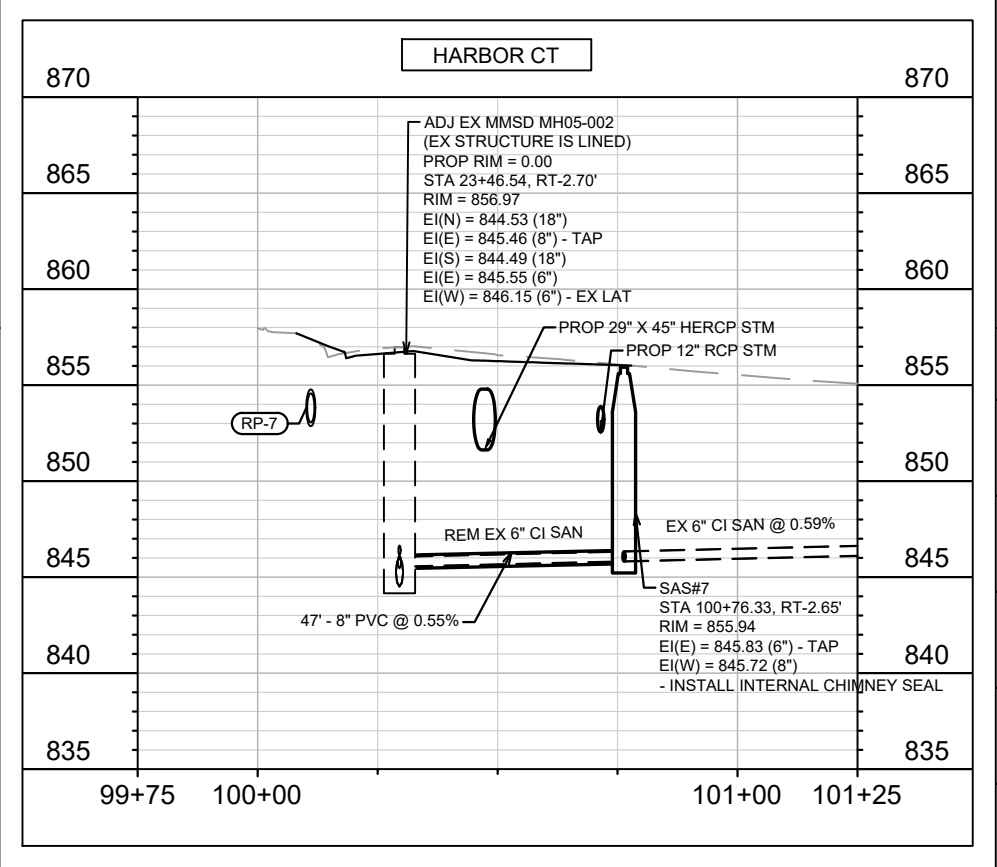
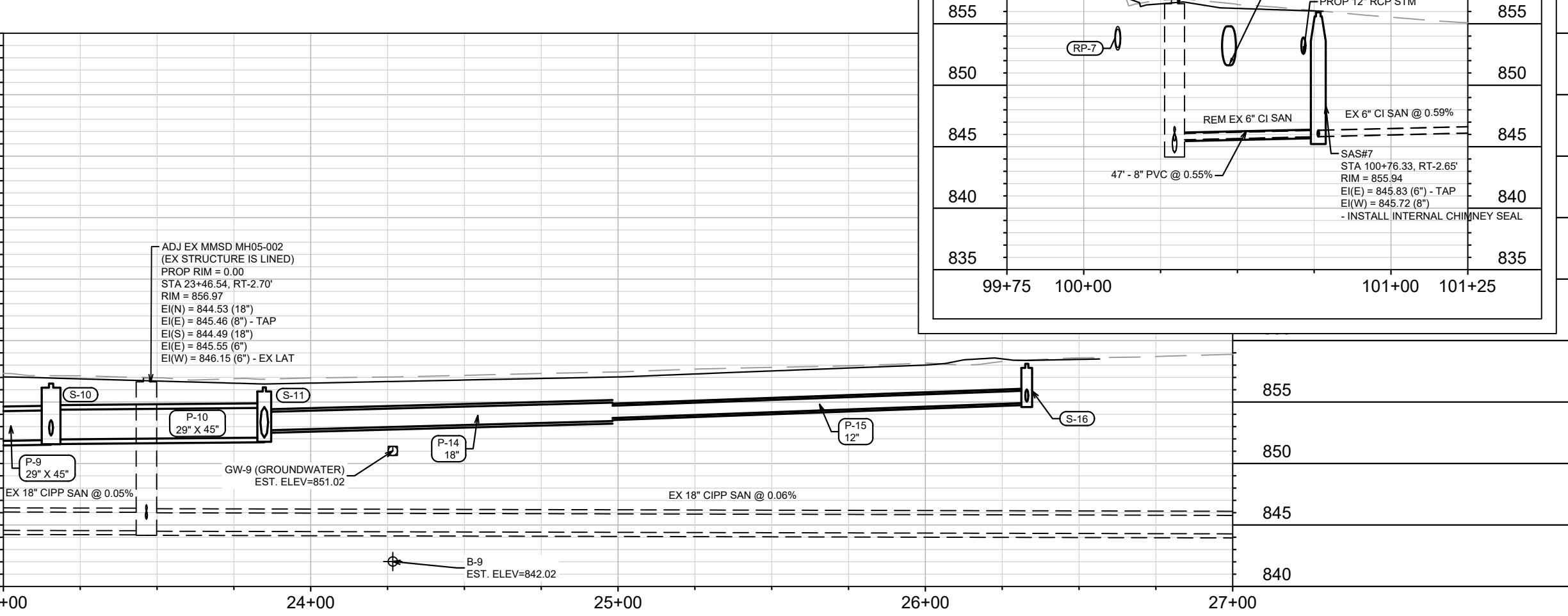


CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

PROPOSED STORM AT WATER UTILITY CROSSING NOTES:  
 - STYROFOAM SHEET (2"X4'X8") SHALL BE REQUIRED WHERE STORM CROSSES WATER UTILITIES  
 - INSULATE WATER MAIN BELOW RAIN GARDENS  
 - PENDING ULOS, WATER MAIN & LATERAL SERVICES RELOCATION WHERE REQUIRED SHALL BE COMPLETED & PAID PER BID ITEMS 90034 & 90035

885  
880  
875  
870  
865  
860  
855  
850  
845  
840



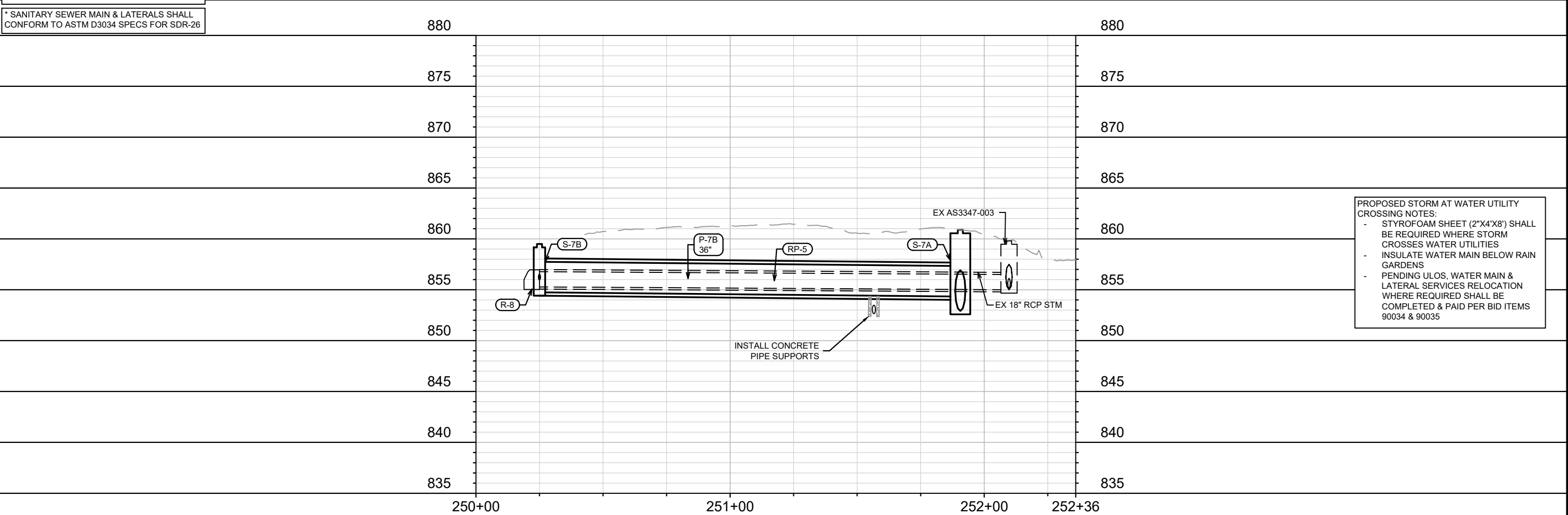
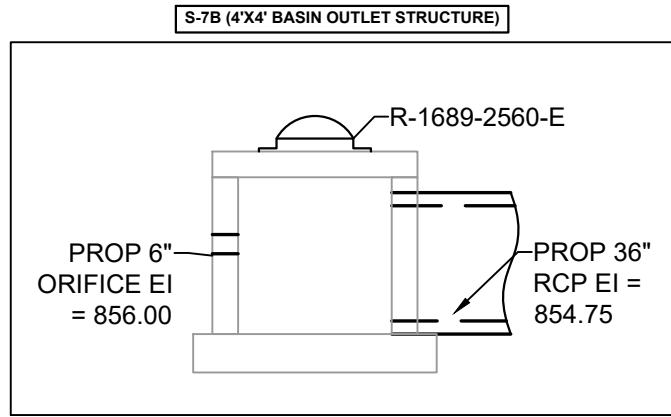
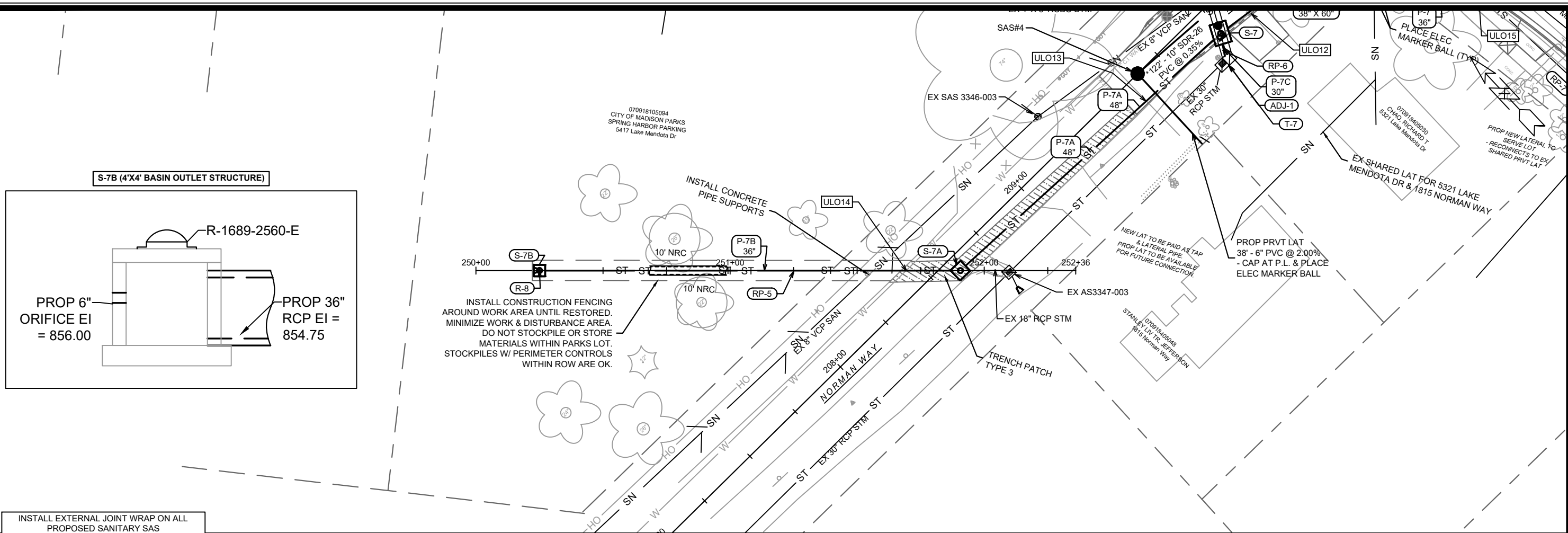
ADJ EX MMSD MH05-002  
 (EX STRUCTURE IS LINED)  
 PROP RIM = 0.00  
 STA 23+46.54, RT-2.70'  
 RIM = 856.97  
 EI(N) = 844.53 (18")  
 EI(E) = 845.46 (8") - TAP  
 EI(S) = 844.49 (18")  
 EI(E) = 845.55 (6")  
 EI(W) = 846.15 (6") - EX LAT

GW-9 (GROUNDWATER)  
 EST. ELEV=851.02

B-9  
 EST. ELEV=842.02

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14083  
 MADISON, WI  
 CONTRACT NO: 8743  
 LAKE MENDOTA DR - SEWER PLAN & PROFILE  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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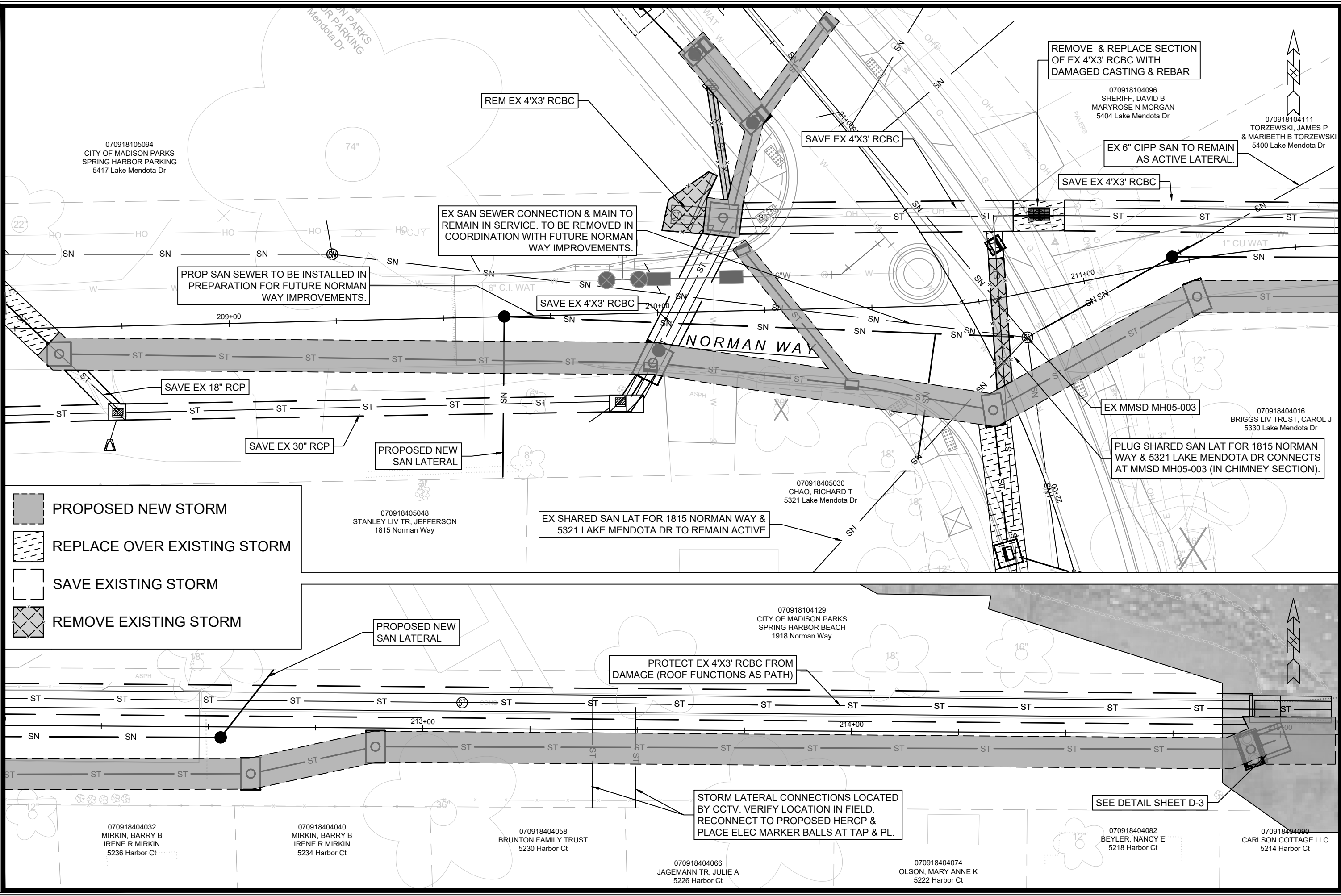
MARK 14083

NORMAN WAY (PARKS-SPRING HARBOR PARKING) - SEWER PLAN & PROFILE 14083

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024 MADISON, WI

CONTRACT NO: 8743

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**PROPOSED NEW STORM**

**REPLACE OVER EXISTING STORM**

**SAVE EXISTING STORM**

**REMOVE EXISTING STORM**

070918105094  
CITY OF MADISON PARKS  
SPRING HARBOR PARKING  
5417 Lake Mendota Dr

070918104096  
SHERIFF, DAVID B  
MARYROSE N MORGAN  
5404 Lake Mendota Dr

070918104111  
TORZEWSKI, JAMES P  
& MARIBETH B TORZEWSKI  
5400 Lake Mendota Dr

070918405048  
STANLEY LIV TR, JEFFERSON  
1815 Norman Way

070918405030  
CHAO, RICHARD T  
5321 Lake Mendota Dr

070918404016  
BRIGGS LIV TRUST, CAROL J  
5330 Lake Mendota Dr

070918104129  
CITY OF MADISON PARKS  
SPRING HARBOR BEACH  
1918 Norman Way

070918404032  
MIRKIN, BARRY B  
IRENE R MIRKIN  
5236 Harbor Ct

070918404040  
MIRKIN, BARRY B  
IRENE R MIRKIN  
5234 Harbor Ct

070918404058  
BRUNTON FAMILY TRUST  
5230 Harbor Ct

070918404066  
JAGEMANN TR, JULIE A  
5226 Harbor Ct

070918404074  
OLSON, MARY ANNE K  
5222 Harbor Ct

070918404082  
BEYLER, NANCY E  
5218 Harbor Ct

070918404090  
CARLSON COTTAGE LLC  
5214 Harbor Ct

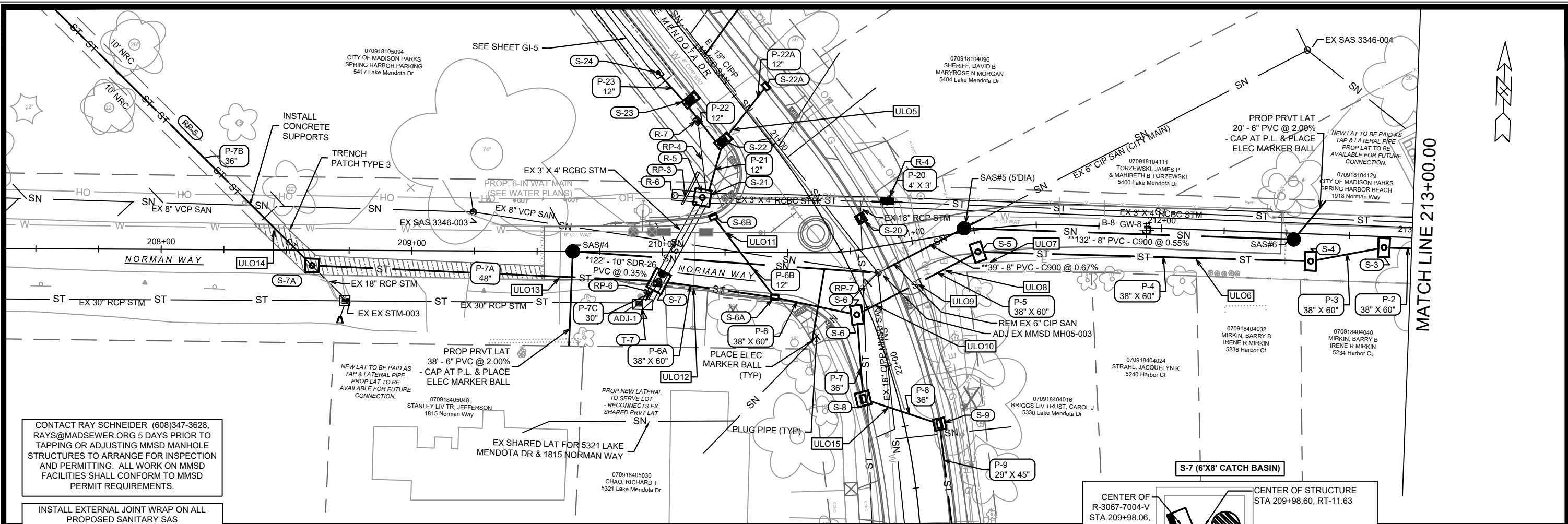
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U-6

14083  
MADISON, WI  
CONTRACT NO: 8743

NORMAN WAY - SEWER NOTES  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
U-6



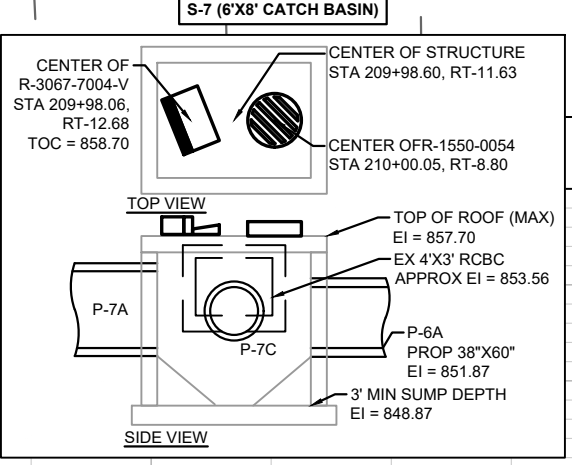
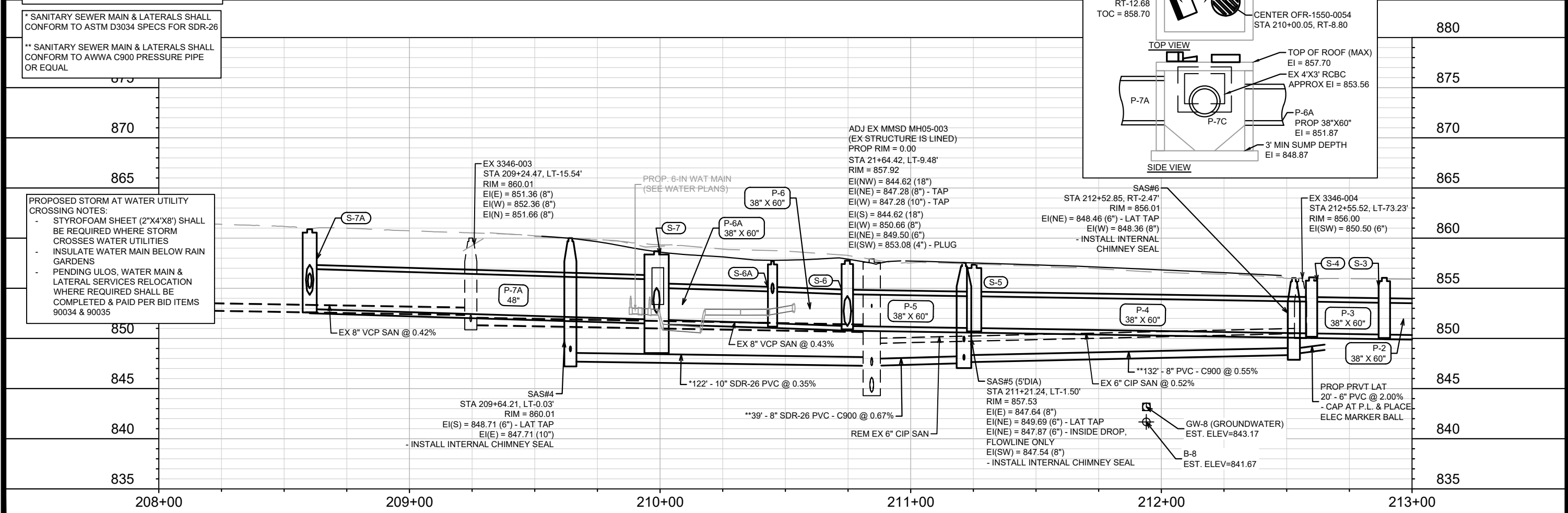
CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

\* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26

\*\* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO AWWA C900 PRESSURE PIPE OR EQUAL

PROPOSED STORM AT WATER UTILITY CROSSING NOTES:  
 - STYROFOAM SHEET (2"X4'X8") SHALL BE REQUIRED WHERE STORM CROSSES WATER UTILITIES  
 - INSULATE WATER MAIN BELOW RAIN GARDENS  
 - PENDING ULOS, WATER MAIN & LATERAL SERVICES RELOCATION WHERE REQUIRED SHALL BE COMPLETED & PAID PER BID ITEMS 90034 & 90035



MATCH LINE 213+00.00

|                   |                  |                          |
|-------------------|------------------|--------------------------|
| 14083             | 14083            | U-7                      |
| MADISON, WI       | REVISION         | DATE                     |
| CONTRACT NO: 8743 | MARK             | BY                       |
|                   | DESIGNED BY: DAO | DATE: 2/25/2024 10:14 AM |
|                   | SCALE: 1" = 40'  |                          |

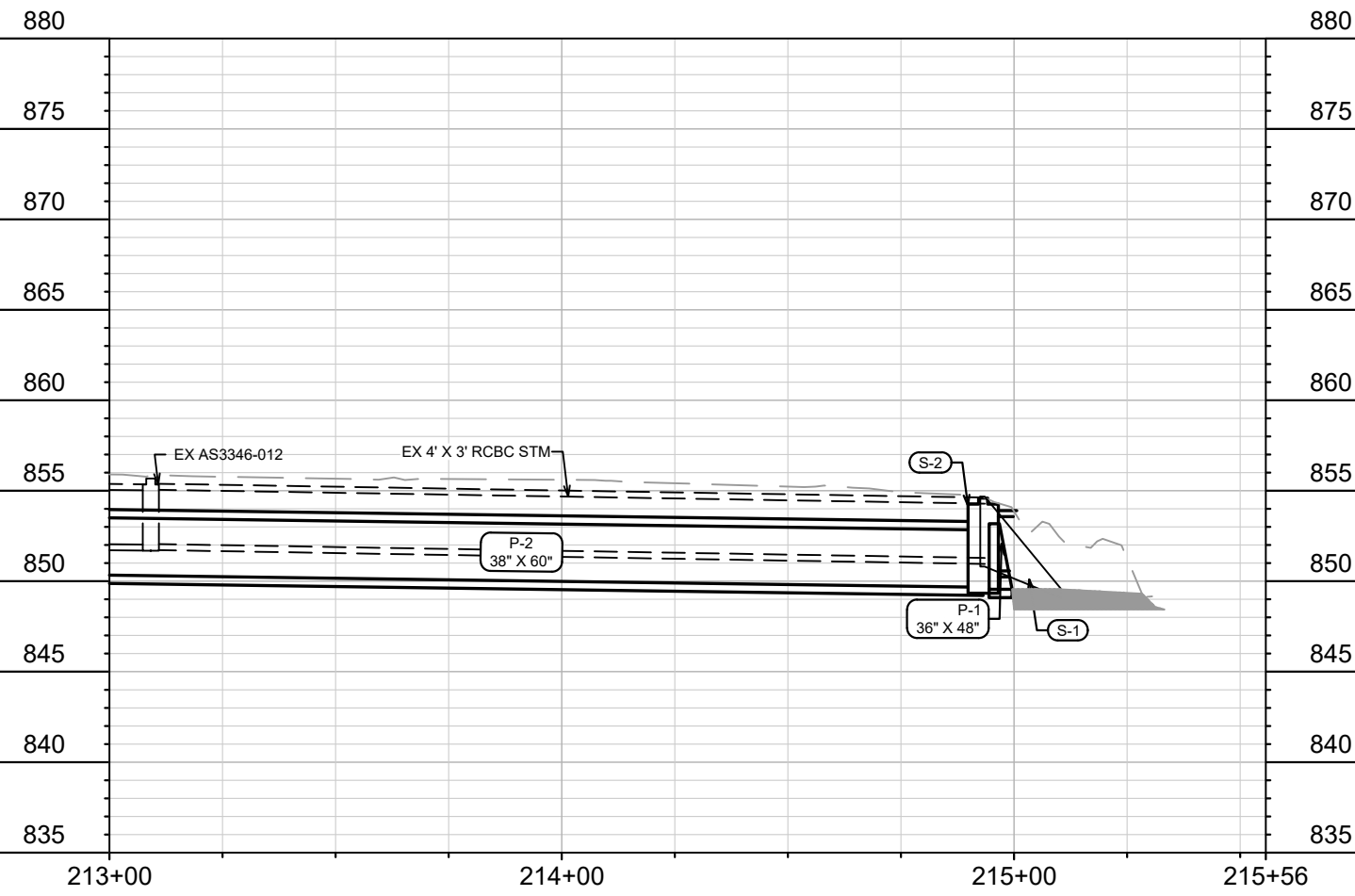
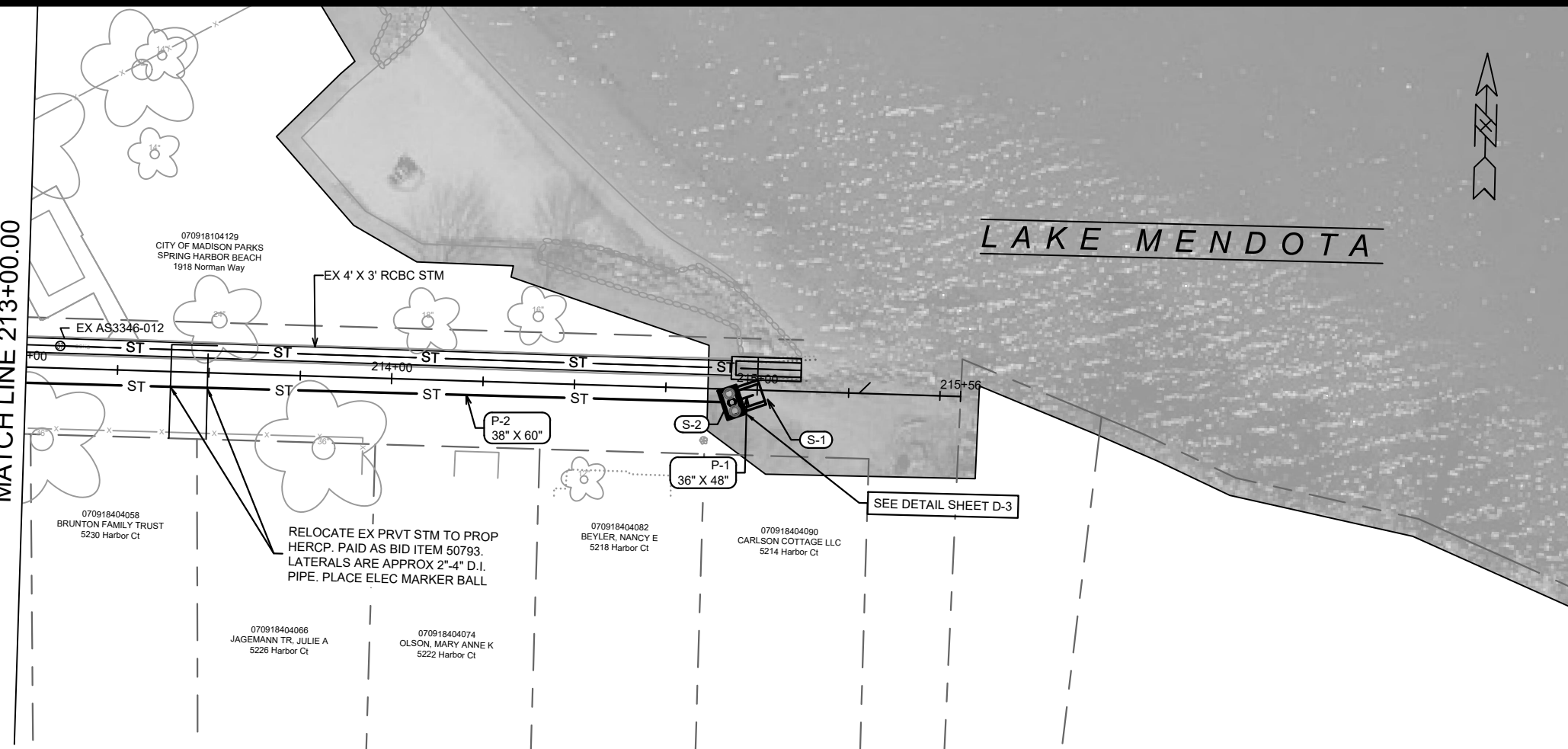
14083  
 MADISON, WI  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
 CONTRACT NO: 8743  
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14083  
U-7



MATCH LINE 213+00.00



LAKE MENDOTA



| MARK  | REVISION | DATE      | BY |
|-------|----------|-----------|----|
| 14083 | U-8      | 2/15/2024 |    |

14083  
MADISON, WI  
CONTRACT NO: 8743

NORMAN WAY - SEWER PLAN & PROFILE  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
U-8

# SANITARY SEWER SCHEDULE

|                                       |           |
|---------------------------------------|-----------|
| LAKE MENDOTA DR ASMNT DISTRICT - 2024 | SHEET NO. |
| PROJECT NO. 14083                     | U-9       |
| SANITARY SEWER SCHEDULE               |           |
| CITY OF MADISON                       |           |

U-9

## PROPOSED SANITARY STRUCTURES

| SAS NO.                | STATION   | LOCATION (OFFSET) | TOP OF CASTING | E.I.   | DEPTH (FT) | NOTES                 |
|------------------------|-----------|-------------------|----------------|--------|------------|-----------------------|
| <b>LAKE MENDOTA DR</b> |           |                   |                |        |            |                       |
| SAS#1                  | 18+11.69  | LT-7.26           | 860.13         | 847.76 | 12.37      | [1][8][9]             |
| SAS#2                  | 17+44.33  | LT-6.79           | 860.56         | 848.23 | 12.33      | [2][8][9]             |
| SAS#3                  | 14+71.88  | LT-26.25          | 862.30         | 848.31 | 13.99      | 5' DIA SAS; [3][8]    |
| <b>NORMAN WAY</b>      |           |                   |                |        |            |                       |
| SAS#4                  | 209+64.21 | LT-0.03           | 860.01         | 847.71 | 12.30      | [4][8][9]             |
| SAS#5                  | 211+21.24 | LT-1.50           | 857.54         | 847.54 | 10.00      | 5' DIA SAS; [5][8][9] |
| SAS#6                  | 212+52.85 | RT-2.47           | 856.01         | 848.36 | 7.65       | [6][8][9]             |
| <b>HARBOR CT</b>       |           |                   |                |        |            |                       |
| SAS#7                  | 100+76.33 | RT-2.65           | 855.94         | 845.72 | 10.22      | [8][9]                |

## PROPOSED SANITARY PIPES

| FROM (DNSTM)           | TO (UPSTM) | DWNSTRM E.I. | UPSTRM E.I. | PLAN LGTH (FT) | SLOPE (%) | PIPE SIZE | PVC TYPE | NOTES |
|------------------------|------------|--------------|-------------|----------------|-----------|-----------|----------|-------|
| <b>LAKE MENDOTA DR</b> |            |              |             |                |           |           |          |       |
| MMSD MH05-004          | SAS#1      | 847.69       | 847.76      | 8              | 0.83%     | 8"        | SDR-26   | -     |
| SAS#1                  | SAS#2      | 847.86       | 848.23      | 67             | 0.55%     | 8"        | SDR-26   | -     |
| MMSD MH05-005          | SAS#3      | 848.14       | 848.31      | 30             | 0.55%     | 8"        | SDR-26   | -     |
| <b>NORMAN WAY</b>      |            |              |             |                |           |           |          |       |
| MMSD MH05-003          | SAS#4      | 847.28       | 847.71      | 122            | 0.35%     | 10"       | SDR-26   | [7]   |
| MMSD MH05-003          | SAS#5      | 847.28       | 847.54      | 39             | 0.67%     | 8"        | C900     | -     |
| SAS#6                  | SAS#6      | 847.64       | 848.36      | 132            | 0.55%     | 8"        | C900     | -     |
| <b>HARBOR CT</b>       |            |              |             |                |           |           |          |       |
| MMSD MH05-002          | SAS#7      | 845.46       | 845.72      | 47             | 0.55%     | 8"        | SDR-35   | -     |

## SANITARY STRUCTURE ADJUSTMENTS

| STRUC ID NO.           | STATION  | LOCATION (OFFSET) | TOP OF CASTING | PROP TOC | ADJ (FT) | NOTES |
|------------------------|----------|-------------------|----------------|----------|----------|-------|
| <b>LAKE MENDOTA DR</b> |          |                   |                |          |          |       |
| MMSD MH05-002          | 23+46.54 | RT-2.70           | 856.68         | 856.68   | -0.29    | [10]  |
| MMSD MH05-003          | 21+64.42 | LT-9.48           | 857.56         | 857.56   | -0.36    | [10]  |
| MMSD MH05-004          | 18+14.22 | RT-0.76           | 859.87         | 859.87   | -0.29    | [10]  |
| MMSD MH05-005          | 14+65.24 | RT-3.47           | 863.02         | 863.02   | -0.57    | [10]  |

## SANITARY PIPE REMOVALS & ABANDONMENTS

| REMOVE FROM            | REMOVE TO              | LGTH (FT) | PAID (Y/N) | REM LGTH PAID (FT) | ABN LGTH (FT) | CY SLURRY | PIPE SIZE | PIPE TYPE | NOTES |
|------------------------|------------------------|-----------|------------|--------------------|---------------|-----------|-----------|-----------|-------|
| <b>LAKE MENDOTA DR</b> |                        |           |            |                    |               |           |           |           |       |
| MMSD MH05-002          | SAS#7                  | 47        | N          | 0                  | 0             | 0         | 6"        | C.I.      | -     |
| MMSD MH05-003          | SAS#6                  | 39        | N          | 0                  | 0             | 0         | 6"        | CIPP-C.I. | -     |
| MMSD MH05-004          | STA 18+02.13, LT-32.79 | 38        | N          | 0                  | 0             | 0         | 6"        | C.I. LAT  | -     |
| MMSD MH05-005          | STA 14+72.90, LT-30.79 | 35        | N          | 0                  | 0             | 0         | 6"        | C.I. LAT  | -     |

## SPECIFIC NOTES

- [1] PROP SAN LATERAL TAP SET LOWER THAN EXISTING 6" C.I. LATERAL INVERT; INSTALL NEW PVC LATERAL AT 2% TOWARD P.L. & INSTALL RISER TO CONNECT TO EX 6" C.I. LATERAL; PLACE ELEC MARKER BALL AT RISER & P.L.
- [2] INSTALL PROP SAN LATERAL AT 2% FROM SAS & CAP AT P.L.; PLACE ELEC MARKER BALL AT P.L.; PROP LATERAL INSTALLED FOR FUTURE CONNECTION, NO PROPOSED RECONNECT
- [3] INSTALL INSIDE DROP; RECONNECT EX SHARED 6" C.I. LAT TO PROP SAS; PROVIDE CORE & CAP (NE) FOR FUTURE CONNECTION, NO PROPOSED RECONNECT
- [4] PROP SAS DESIGNED FOR FUTURE NORMAN WAY ROW IMPROVEMENTS; EX NORMAN WAY SAN SHALL REMAIN IN SERVICE
- [5] INSTALL INSIDE DROP; RECONNECT EX 6" CIPP-CI SANITARY MAIN
- [6] INSTALL PROP SAN LATERAL AT 2% FROM SAS & CAP AT P.L.; PLACE ELEC MARKER BALL AT P.L.; PROP LATERAL INSTALLED FOR FUTURE CONNECTION, NO PROPOSED RECONNECT
- [7] PROP NEW MAIN; TWO PROPOSED LATERALS (PAID AS RECONNECT & LATERAL PIPE) ON NEW MAIN
- [8] INSTALL EXTERNAL JOINT WRAP
- [9] INSTALL INTERNAL CHIMNEY SEAL
- [10] ADJUST CHIMNEY PER MMSD DETAIL SD-201; SEE SHEET D-2

# STORM SEWER SCHEDULE

|                                       |           |      |
|---------------------------------------|-----------|------|
| LAKE MENDOTA DR ASMNT DISTRICT - 2024 | SHEET NO. | U-10 |
| PROJECT NO. 14083                     | U-10      |      |
| STORM SEWER SCHEDULE                  |           |      |
| CITY OF MADISON                       |           |      |

## PROPOSED STORM STRUCTURES

| STRUC. NO.        | STATION   | LOCATION (OFFSET) | TYPE                     | TOP OF CASTING | E.I.   | DEPTH | NOTES                    |
|-------------------|-----------|-------------------|--------------------------|----------------|--------|-------|--------------------------|
| <b>NORMAN WAY</b> |           |                   |                          |                |        |       |                          |
| S-1               | 215+01.29 | RT-0.54           | ENDWALL                  | -              | 850.57 | -     | [1]                      |
| S-2               | 214+93.16 | RT-3.57           | 4X7 STORM SAS            | 854.59         | 849.67 | 4.92  | FP; W/2 R-1689-0054; [1] |
| S-3               | 212+88.97 | RT-4.36           | 4X7 STORM SAS            | 856.04         | 850.38 | 5.66  | FP; W/2 R-1689-0054      |
| S-4               | 212+59.93 | RT-10.88          | 4X7 STORM SAS            | 856.09         | 850.50 | 5.59  | FP; W/2 R-1689-0054      |
| S-5               | 211+25.28 | RT-8.73           | 4X7 STORM SAS            | 857.35         | 851.03 | 6.32  | FP; W/2 R-1550-0054      |
| S-6A              | 210+44.86 | RT-17.95          | TYPE 2 SADDLED INLET     | 857.71         | 851.50 | 6.21  | LP;FP; W/R-3067-7004-V   |
| S-6B              | 210+20.19 | LT-14.24          | H INLET                  | 858.27         | 855.02 | 3.25  | LP; W/R-3067-7004-V      |
| S-7               | 209+98.60 | RT-11.63          | 6X8 CATCHBASIN W/3' SUMP | 858.70         | 851.87 | 6.83  | FP; [2]                  |
| T-7               | 209+92.24 | RT-20.97          | 30" STORM TAP            | -              | 853.56 | -     | [3]                      |
| S-7A              | 208+60.20 | RT-6.14           | 5X5 STORM SAS            | 860.88         | 852.92 | 7.96  | W/R-1550-0054; [4]       |
| S-7B              | 207+42.29 | LT-110.12         | 4X4 BASIN OUTLET         | 859.50         | 854.75 | 4.75  | W/R-1689-2560-E; [5]     |

## LAKE MENDOTA DR (SOUTH OF NORMAN WAY)

|       |          |            |               |        |        |      |                          |
|-------|----------|------------|---------------|--------|--------|------|--------------------------|
| S-6   | 21+76.28 | RT-4.97    | 4X7 STORM SAS | 857.75 | 851.23 | 6.52 | FP; W/2 R-1550-0054      |
| S-8   | 22+09.94 | RT-13.51   | 5X5 STORM SAS | 857.53 | 851.36 | 6.17 | FP;W/R-3067-7004-V       |
| S-9   | 22+27.04 | LT-13.69   | 4X4 STORM SAS | 857.13 | 851.54 | 5.59 | FP; W/R-3067-7004-V      |
| S-10  | 23+15.51 | LT-15.51   | 4X4 STORM SAS | 856.50 | 851.90 | 4.60 | FP; W/R-3067-7004-V      |
| S-11  | 23+84.89 | LT-13.50   | 4X4 STORM SAS | 856.19 | 852.10 | 4.09 | LP; FP; W/R-3067-7004-VB |
| S-12  | 23+84.87 | RT-13.50   | 4X4 STORM SAS | 856.43 | 852.34 | 4.09 | LP;FP; W/R-3067-7004-VB  |
| T-12  | 23+85.13 | RT-2385.13 | 12" STORM TAP | -      | 853.90 | -    | [6]                      |
| S-13  | 23+78.88 | RT-13.50   | H INLET       | 856.47 | 853.27 | 3.20 | W/R-3067-7004-V          |
| S-14  | 23+90.88 | RT-13.50   | H INLET       | 856.16 | 853.26 | 2.90 | W/R-3067-7004-V          |
| S-15  | 24+98.19 | LT-13.50   | 3X3 STORM SAS | 856.75 | 853.45 | 3.30 | W/R-3067-7004-V          |
| S-15A | 25+09.37 | RT-13.50   | H INLET       | 857.09 | 853.89 | 3.20 | W/R-3067-7004-V          |
| S-15B | 25+14.02 | RT-19.69   | 8" PIPE END   | -      | 857.00 | -    | -                        |
| S-16  | 26+33.00 | LT-13.50   | H INLET       | 858.11 | 854.92 | 3.19 | LP; W/R-3067-7004-VB     |
| S-17  | 26+33.00 | RT-13.50   | H INLET       | 858.35 | 855.16 | 3.19 | LP; W/R-3067-7004-VB     |

## HARBOR CT

|       |           |          |         |        |        |      |                 |
|-------|-----------|----------|---------|--------|--------|------|-----------------|
| S-10A | 100+72.13 | LT-13.71 | H INLET | 855.92 | 852.40 | 3.52 | W/R-3067-7004-V |
| S-10B | 100+70.85 | RT-13.80 | H INLET | 855.89 | 852.79 | 3.10 | W/R-3067-7004-V |

## PROPOSED STORM PIPES

| PIPE NO.          | FROM (DNSTM) | TO (UPSTM) | DISCH. E.I. | INLET E.I. | PLAN (PAY) LGTH (FT) | PIPE LGTH (FT) | SLOPE (%) | PIPE SIZE | TYPE  | NOTES |
|-------------------|--------------|------------|-------------|------------|----------------------|----------------|-----------|-----------|-------|-------|
| <b>NORMAN WAY</b> |              |            |             |            |                      |                |           |           |       |       |
| P-2               | S-2          | S-3        | 849.67      | 850.38     | 199                  | 195            | 0.36%     | 38"X60"   | HERCP | [12]  |
| P-3               | S-3          | S-4        | 850.38      | 850.50     | 30                   | 26             | 0.47%     | 38"X60"   | HERCP | -     |
| P-4               | S-4          | S-5        | 850.50      | 851.03     | 133                  | 129            | 0.41%     | 38"X60"   | HERCP | -     |
| P-5               | S-5          | S-6        | 851.03      | 851.23     | 54                   | 50             | 0.40%     | 38"X60"   | HERCP | -     |
| P-6               | S-6          | S-6A       | 851.23      | 851.50     | 34                   | 30             | 0.90%     | 38"X60"   | HERCP | -     |
| P-6A              | S-6A         | S-7        | 851.50      | 851.87     | 47                   | 42             | 0.88%     | 38"X60"   | HERCP | -     |
| P-6B              | S-6A         | S-6B       | 854.50      | 855.02     | 41                   | 38             | 1.37%     | 12"       | RCP   | -     |
| P-7C              | S-7          | T-7        | 852.54      | 853.56     | 11                   | 6              | 17.77%    | 30"       | RCP   | [3]   |
| P-7A              | S-7          | S-7A       | 851.87      | 852.92     | 139                  | 133            | 0.79%     | 48"       | RCP   | NCM   |
| P-7B              | S-7A         | S-7B       | 854.34      | 854.75     | 166                  | 160            | 0.26%     | 36"       | RCP   | NCM   |

## LAKE MENDOTA DR (SOUTH OF NORMAN WAY)

|       |       |       |        |        |     |     |        |         |       |     |
|-------|-------|-------|--------|--------|-----|-----|--------|---------|-------|-----|
| P-7   | S-6   | S-8   | 851.23 | 851.36 | 34  | 28  | 0.47%  | 36"     | RCP   | NCM |
| P-8   | S-8   | S-9   | 851.41 | 851.54 | 32  | 27  | 0.49%  | 36"     | RCP   | -   |
| P-9   | S-9   | S-10  | 851.54 | 851.90 | 90  | 86  | 0.42%  | 29"X45" | HERCP | NCM |
| P-10  | S-10  | S-11  | 851.95 | 852.10 | 69  | 65  | 0.23%  | 29"X45" | HERCP | -   |
| P-11  | S-11  | S-12  | 852.10 | 852.34 | 27  | 23  | 1.04%  | 30"     | RCP   | -   |
| P-12  | S-12  | S-13  | 853.21 | 853.27 | 6   | 3   | 2.40%  | 12"     | RCP   | NCM |
| P-12A | S-12  | T-12  | 853.21 | 853.90 | 9   | 7   | 9.61%  | 12"     | RCP   | NCM |
| P-13  | S-12  | S-14  | 853.21 | 853.26 | 6   | 3   | 1.98%  | 12"     | RCP   | NCM |
| P-14  | S-11  | S-15  | 852.69 | 853.45 | 113 | 110 | 0.69%  | 18"     | RCP   | NCM |
| P-15  | S-15  | S-16  | 853.70 | 854.92 | 135 | 132 | 0.93%  | 12"     | RCP   | NCM |
| P-15A | S-15  | S-15A | 853.70 | 853.89 | 29  | 26  | 0.72%  | 12"     | RCP   | NCM |
| P-15B | S-15A | S-15B | 854.22 | 857.00 | 8   | 7   | 40.00% | 8"      | PVC   | -   |
| P-16  | S-16  | S-17  | 855.02 | 855.16 | 27  | 25  | 0.56%  | 12"     | RCP   | -   |

## HARBOR CT

|       |       |       |        |        |    |    |       |     |     |     |
|-------|-------|-------|--------|--------|----|----|-------|-----|-----|-----|
| P-10A | S-10  | S-10A | 852.27 | 852.40 | 26 | 21 | 0.61% | 15" | RCP | NCM |
| P-10B | S-10A | S-10B | 852.65 | 852.79 | 28 | 26 | 0.55% | 12" | RCP | -   |

## SPECIFIC NOTES:

### ALL CURB CASTINGS TOC SET FOR 'MOD' TYPE A CURB (FRAME = ~11" HEIGHT)

- [1] ENDWALL PAID AS BID ITEM 90030 AND INCLUDES NEW ENDWALL CONSTRUCTION & REPAIRS TO EX ENDWALL; NEW ENDWALL SHALL CONNECT TO S-2 AND FIELD-POURED TOGETHER; INSTALL 3'T X 5'W OPENING AT S-2; EI(E) = 850.57
- [2] CONSTRUCT PER S.D.D. 5.7.4A WITH 3' SUMP; CONNECT EX 4'X3' RCBC TO STRUCTURE; CENTER OF STRUCTURE LOCATION SHOWN IN TABLE; INSTALL R-3067-7004-V, TOC = 858.70, CENTER AT STA 209+98.06, RT-12.68; INSTALL R-1550-0054, TOC = 858.45, CENTER AT STA 210+00.05, RT-8.80
- [3] TAP EX AS3347-025 (ADJ-1)
- [4] RECONNECT EX 18" RCP TO STRUCTURE; EI(S) = 855.00 (18")
- [5] DESIGNED AS BASIN OUTLET STRUCTURE; PRECAST IS ACCEPTABLE; PROVIDE 6" ORIFICE; EI(NW) = 866.00 (6")
- [6] TAP AS3347-004 (ADJ-2)
- [12] TWO EXISTING PRIVATE STORM (~2"-3" D.I.) CONNECTED TO 4'X3' RCBC MUST BE CONNECTED TO PROP HERCP; INSTALL ELEC MARKER BALL; PAID AS PRIVATE STORM RECONNECT

## STANDARD NOTES:

- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS'S.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

# STORM SEWER SCHEDULE

|                                       |           |
|---------------------------------------|-----------|
| LAKE MENDOTA DR ASMNT DISTRICT - 2024 | SHEET NO. |
| PROJECT NO. 14083                     | U-11      |
| STORM SEWER SCHEDULE                  |           |
| CITY OF MADISON                       |           |

U-11

## PROPOSED STORM STRUCTURES

| STRUC. NO.                                   | STATION   | LOCATION (OFFSET) | TYPE                     | TOP OF CASTING | E.I.   | DEPTH | NOTES                                 |
|--|-----------|-------------------|--------------------------|----------------|--------|-------|---------------------------------------|
| <b>LAKE MENDOTA DR (NORTH OF NORMAN WAY)</b> |           |                   |                          |                |        |       |                                       |
| S-20   | 21+42.79  | LT-13.25          | 3X3 STORM SAS            | 857.85         | 853.10 | 4.75  | W/R-3067-7004-V; [7]                  |
| S-22   | 20+86.41  | RT-14.51          | 3X6 STORM SAS            | 858.54         | 853.97 | 4.57  | FP; W/R-1550-0054 & R-3067-7004; [9]  |
| S-22A  | 20+79.94  | LT-12.50          | H INLET                  | 858.31         | 854.35 | 3.96  | W/R-3067-7004-V                       |
| S-23   | 20+65.54  | RT-14.51          | 3X6 STORM SAS            | 858.67         | 854.17 | 4.50  | FP; W/R-1550-0054 & R-3067-7004; [10] |
| S-24   | 20+56.34  | RT-17.80          | 12" PVC BEND & RISER     | 858.00         | 854.55 | 3.45  | [14]                                  |
| <b>NORMAN WAY (NW CORNER AT LMD)</b>         |           |                   |                          |                |        |       |                                       |
| S-21   | 210+15.79 | LT-21.81          | 6X6 STORM SAS            | 859.06         | 852.85 | 6.21  | FP; W/TWO R-1550-0054; [8]            |
| <b>LAKE MENDOTA DR (AT CLIFFORD CT)</b>      |           |                   |                          |                |        |       |                                       |
| S-30   | 16+27.15  | LT-31.40          | 6X6 CATCHBASIN W/3' SUMP | 859.82         | 853.98 | 5.84  | FP; W/TWO R-1550-2578; [11]           |
| S-31   | 16+06.50  | LT-12.50          | H INLET                  | 860.12         | 856.12 | 4.00  | LP; W/R-3067-7004-VB                  |
| S-32   | 16+06.52  | RT-12.47          | H INLET                  | 860.04         | 856.84 | 3.20  | LP; W/R-3067-7004-VB                  |
| S-33   | 16+48.63  | LT-12.50          | H INLET                  | 860.33         | 856.58 | 3.75  | W/R-3067-7004-V                       |
| S-34   | 16+80.42  | LT-12.50          | H INLET                  | 860.42         | 857.17 | 3.25  | W/R-3067-7004-V                       |
| S-35   | 16+80.43  | RT-7.50           | H INLET                  | 860.74         | 858.20 | 2.54  | FP; W/R-3067-7004-V                   |

## PROPOSED STORM PIPES

| PIPE NO.                                     | FROM (DNSTM)           | TO (UPSTM)             | DISCH. E.I. | INLET E.I. | PLAN (PAY) LGTH (FT) | PIPE LGTH (FT) | SLOPE (%) | PIPE SIZE | TYPE | NOTES |
|--|------------------------|------------------------|-------------|------------|----------------------|----------------|-----------|-----------|------|-------|
| <b>LAKE MENDOTA DR (NORTH OF NORMAN WAY)</b> |                        |                        |             |            |                      |                |           |           |      |       |
| P-20   | STA 21+44.91, LT-30.70 | STA 21+39.29, LT-20.38 | 852.58      | 852.61     | 12                   | 12             | 0.25%     | 4'X3'     | RCBC | [13]  |
| P-21   | S-21                   | S-22                   | 853.85      | 853.97     | 24                   | 18             | 0.67%     | 12"       | RCP  | -     |
| P-22   | S-22                   | S-23                   | 854.07      | 854.17     | 21                   | 18             | 0.56%     | 12"       | RCP  | [9]   |
| P-22A  | S-22                   | S-22A                  | 854.07      | 854.35     | 28                   | 24             | 1.18%     | 12"       | RCP  | -     |
| P-23   | S-23                   | S-24                   | 854.27      | 854.55     | 17                   | 15             | 1.84%     | 12"       | PVC  | [10]  |
| <b>LAKE MENDOTA DR (AT CLIFFORD CT)</b>      |                        |                        |             |            |                      |                |           |           |      |       |
| P-30   | S-30                   | S-31                   | 854.08      | 856.12     | 28                   | 22             | 9.09%     | 15"       | RCP  | -     |
| P-31   | S-31                   | S-32                   | 856.37      | 856.84     | 25                   | 23             | 2.04%     | 12"       | RCP  | -     |
| P-32   | S-30                   | S-33                   | 854.08      | 856.58     | 29                   | 23             | 10.83%    | 15"       | RCP  | -     |
| P-33   | S-33                   | S-34                   | 856.83      | 857.17     | 32                   | 29             | 1.18%     | 12"       | RCP  | -     |
| P-34   | S-34                   | S-35                   | 857.27      | 858.20     | 20                   | 18             | 5.14%     | 12"       | RCP  | -     |

## SPECIFIC NOTES:

**ALL CURB CASTINGS TOC SET FOR 'MOD' TYPE A CURB (FRAME = ~11" HEIGHT)**

[7] CONNECT TO EX 18" RCP, EI(N) = 853.10

[8] RECONNECT EX 4'X3' RCBC, EI(E) = 852.85, EI(S) = 852.85

[9] OFFSET P-22 C.L. 8' FROM EX WATER MAIN; CENTER OF STRUCTURE SHOWN IN TABLE; INSTALL R-3067-7004-V, TOC = 858.49, CENTER AT STA 20+86.41, RT-12.50; INSTALL R-1550-0054, TOC = 858.54, CENTER AT STA 20+86.43, RT-15.61

[10] OFFSET P-23 C.L. 8' FROM EX WATER MAIN; CENTER OF STRUCTURE LOCATION SHOWN IN TABLE; INSTALL R-3067-7004-V, TOC = 858.62, CENTER AT STA 20+65.48, RT-12.50; INSTALL R-1550-0054, TOC = 858.67, CENTER AT STA 20+65.51, RT-15.61

[11] RECONNECT EX 15" RCP, EI(NE) = 853.98

[13] REPLACE SECTION OF 4'X3' RCBC; CONTRACTOR TO VERIFY DIMENSION, PRECAST OK; CONNECT TO EX W/MACWRAP JOINT WRAP & JOINT TIES; PROP LENGTH OF NEW RCBC WAS DESIGNED TO REMOVE THE CASTING & SECTION OF EX RCBC WITH DAMAGED/EXPOSED REBAR

[14] CONSTRUCT 12" PVC SWEEP & RISER WITH 1/4 GASKETED PVC PIPE BEND & 1.75' 12" PVC PIPE; BEND & PIPE TO BE PAID AS UNDER BID ITEM 50323, APPROXIMATELY 3.5 L.F



# STORM SEWER SCHEDULE

|                                       |           |      |
|---------------------------------------|-----------|------|
| LAKE MENDOTA DR ASMNT DISTRICT - 2024 | SHEET NO. | U-12 |
| PROJECT NO. 14083                     | U-12      |      |
| STORM SEWER SCHEDULE                  |           |      |
| CITY OF MADISON                       |           |      |

## STORM STRUCTURE ADJUSTMENTS

| STRUC. NO.                                   | ID NO.     | STATION   | LOCATION (OFFSET) | EX TOC | PROP TOC | ADJ (FT) | NOTES           |
|--|------------|-----------|-------------------|--------|----------|----------|-----------------|
| <b>NORMAN WAY</b>                            |            |           |                   |        |          |          |                 |
| ADJ-1  | AS3347-025 | 209+92.24 | RT-20.97          | 858.54 | 858.54   | 0.00     | TAP (T-7)       |
| <b>LAKE MENDOTA DR (SOUTH OF NORMAN WAY)</b> |            |           |                   |        |          |          |                 |
| ADJ-2  | AS3347-004 | 23+85.13  | RT-22.60          | 857.68 | 857.68   | 0.00     | TAP (T-12); [3] |

## STORM STRUCTURE REMOVALS & ABANDONMENTS

| STRUC. NO.                                   | ID NO.     | STATION   | LOCATION (OFFSET) | TYPE                  | DEPTH (FT) | NOTES |
|--|------------|-----------|-------------------|-----------------------|------------|-------|
| <b>LAKE MENDOTA DR (NEAR CLIFFORD CT)</b>    |            |           |                   |                       |            |       |
| R-1  | AS3346-005 | 16+27.15  | LT-31.31          | 5X7 STORM SAS         | 5.24       | -     |
| R-2  | IN3346-004 | 15+98.94  | RT-22.49          | 5X7 STORM SAS         | 5.26       | -     |
| R-3  | IN3346-016 | 16+60.48  | RT-21.90          | INLET                 | 2.80       | -     |
| <b>LAKE MENDOTA DR (NEAR NORMAN WAY)</b>     |            |           |                   |                       |            |       |
| R-4  | AS3346-011 | 21+42.12  | LT-25.54          | 4'X3' RCBC W/ CASTING | 4.56       | [1]   |
| R-5  | TP3346-009 | 21+00.03  | RT-34.30          | 4'X3' RCBC            | 5.13       | [1]   |
| R-6  | DT3346-010 | 20+91.47  | RT-43.12          | 4'X3' RCBC            | 5.13       | [1]   |
| R-7  | UNK INL    | 20+73.47  | RT-17.37          | INLET                 | 2.27       | -     |
| <b>NORMAN WAY</b>                            |            |           |                   |                       |            |       |
| R-8  | AS3346-008 | 207+42.29 | LT-110.12         | 18" ENDWALL           | -          | [2]   |
| <b>LAKE MENDOTA DR (SOUTH OF NORMAN WAY)</b> |            |           |                   |                       |            |       |
| R-10   | IN3347-005 | 23+81.60  | RT-17.47          | INLET                 | 3.25       | -     |
| R-11   | IN3347-008 | 23+85.61  | RT-17.49          | INLET                 | 3.28       | -     |
| R-12   | IN3347-006 | 23+90.45  | RT-17.53          | INLET                 | 2.82       | -     |
| R-13   | IN3347-007 | 23+84.14  | LT-18.06          | INLET                 | 1.75       | -     |

## ULO SCHEDULE

| ID NO. (OFFSET)        | STATION  | LOCATION (OFFSET) | TYPE                | NOTES |
|------------------------|----------|-------------------|---------------------|-------|
| <b>LAKE MENDOTA DR</b> |          |                   |                     |       |
| ULO1                   | 16+11.62 | LT-17.19          | 4" GAS              | -     |
| ULO2                   | 16+06.52 | RT-13.47          | 8" WAT MAIN         | -     |
| ULO3                   | 16+36.32 | LT-23.34          | 2" GAS              | -     |
| ULO4                   | 16+42.95 | LT-17.50          | 4" GAS              | -     |
| ULO5                   | 20+85.11 | RT-9.08           | 8" WAT MAIN         | -     |
| ULO10                  | 21+75.56 | LT-3.22           | 8" WAT MAIN         | -     |
| ULO15                  | 22+16.01 | RT-4.55           | 8" WAT MAIN         | -     |
| ULO16                  | 23+17.83 | LT-20.95          | 4" GAS              | -     |
| ULO18                  | 23+53.06 | LT-14.42          | 6" WAT MAIN         | -     |
| ULO19                  | 23+85.30 | RT-10.07          | 8" WAT MAIN         | -     |
| ULO20                  | 24+85.82 | LT-8.18           | WAT SERVICE LAT     | -     |
| ULO21                  | 25+56.13 | LT-10.10          | WAT SERVICE LAT     | -     |
| ULO22                  | 25+91.39 | LT-11.66          | WAT SERVICE LAT     | -     |
| ULO23                  | 26+33.69 | RT-14.50          | 4" GAS, 8" WAT MAIN | -     |

### SPECIFIC NOTES

- [1] PAID AS BID ITEM 20311 - REMOVE SEWER ACCESS STRUCTURE
- [2] INCIDENTAL TO PIPE REMOVAL
- [3] PROP TAP, 4 PIPE PLUGS

## STORM PIPE REMOVALS & ABANDONMENTS

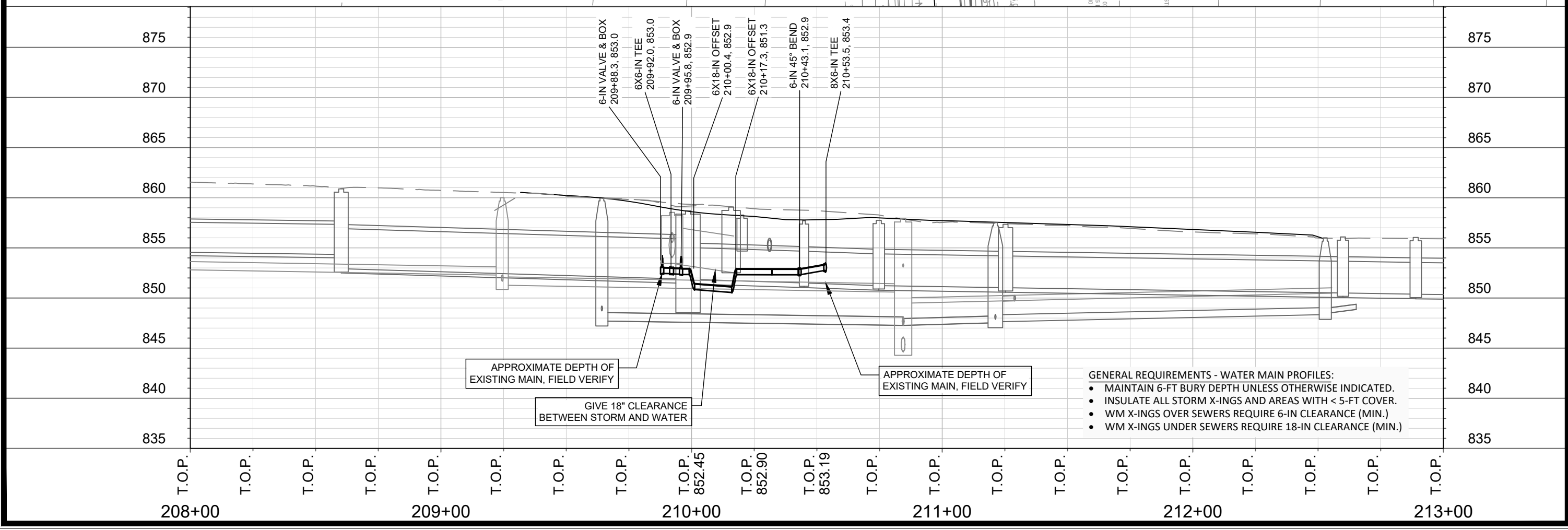
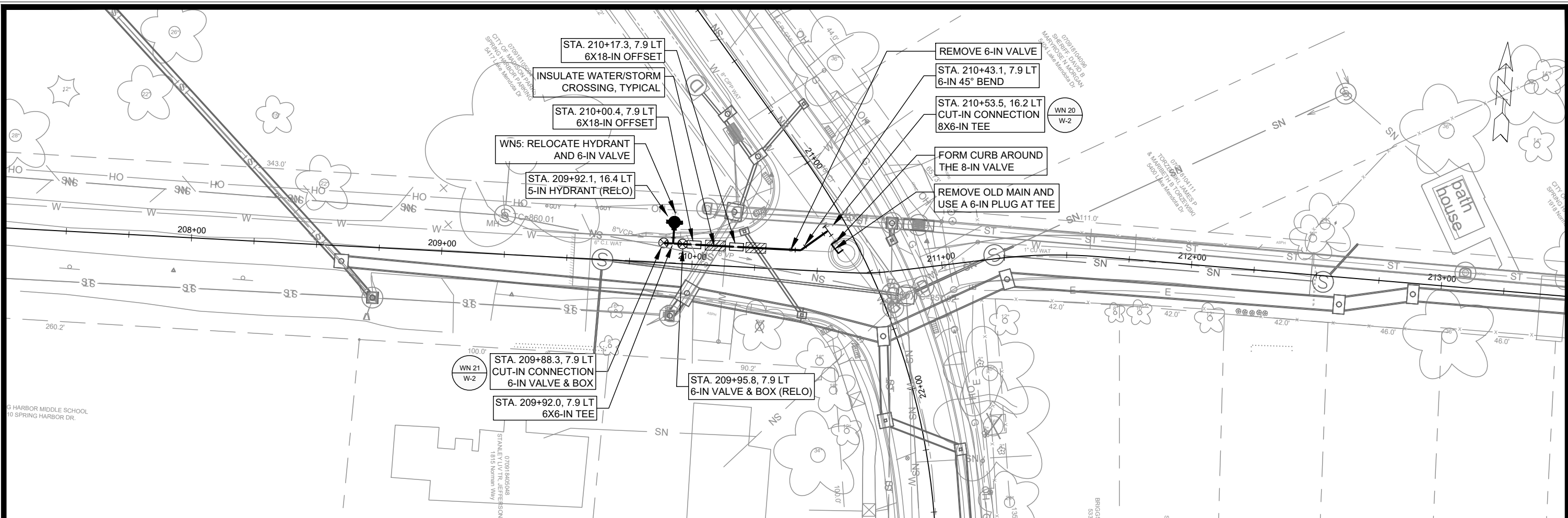
| PIPE REM NO.                                 | REMOVE FROM | REMOVE TO | LGTH (FT) | PAID (Y/N) | REM LGTH PAID (FT) | ABN LGTH (FT) | SLURRY (CY) | PIPE SIZE | PIPE TYPE | NOTES |
|--|-------------|-----------|-----------|------------|--------------------|---------------|-------------|-----------|-----------|-------|
| <b>LAKE MENDOTA DR (NEAR CLIFFORD CT)</b>    |             |           |           |            |                    |               |             |           |           |       |
| RP-1   | R-1         | R-2       | 61        | Y          | 61                 | -             | -           | 12"       | RCP       | -     |
| RP-2   | R-2         | R-3       | 61        | Y          | 61                 | -             | -           | 8"        | PVC       | -     |
| <b>LAKE MENDOTA DR (NEAR NORMAN WAY)</b>     |             |           |           |            |                    |               |             |           |           |       |
| RP-3   | R-5         | R-6       | 12        | Y          | 0                  | -             | -           | 4'X3'     | RCBC      | [1]   |
| RP-4   | R-5         | R-7       | 31        | Y          | 31                 | -             | -           | 12"       | RCP       | -     |
| <b>NORMAN WAY</b>                            |             |           |           |            |                    |               |             |           |           |       |
| RP-5   | S-7A        | R-8       | 166       | N          | 0                  | -             | -           | 18"       | RCP       | -     |
| RP-6   | R-5         | ADJ-1     | 14        | Y          | 0                  | -             | -           | 4'X3'     | RCBC      | [1]   |
| <b>LAKE MENDOTA DR (SOUTH OF NORMAN WAY)</b> |             |           |           |            |                    |               |             |           |           |       |
| RP-7   | S-20        | R-9       | 243       | Y          | 206                | -             | -           | 18"       | RCP       | -     |
| RP-8   | R-11        | R-13      | 36        | Y          | 36                 | -             | -           | 12"       | RCP       | -     |

## ULO SCHEDULE

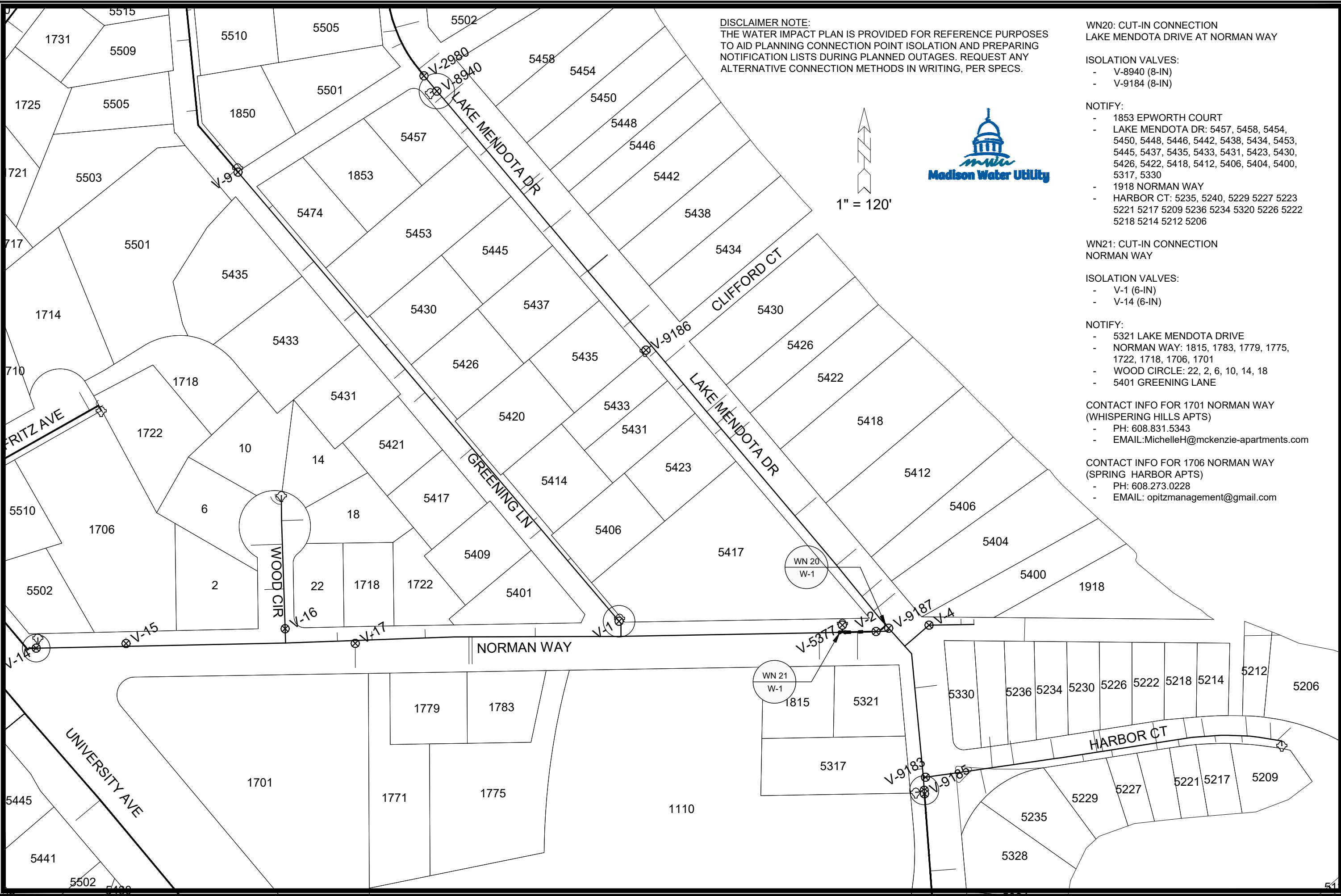
| ID NO. (OFFSET)   | STATION   | LOCATION (OFFSET) | TYPE            | NOTES |
|-------------------|-----------|-------------------|-----------------|-------|
| <b>NORMAN WAY</b> |           |                   |                 |       |
| ULO6              | 212+13.97 | RT-11.57          | UG ELEC         | -     |
| ULO7              | 211+29.42 | RT-13.55          | UG ELEC         | -     |
| ULO8              | 211+10.81 | RT-13.87          | UG ELEC         | -     |
| ULO9              | 210+99.15 | RT-17.27          | UG ELEC         | -     |
| ULO11             | 210+25.13 | LT-7.80           | 6" WAT MAIN     | -     |
| ULO12             | 210+12.55 | RT-14.19          | WAT SERVICE LAT | -     |
| ULO13             | 209+59.13 | RT-10.45          | WAT SERVICE LAT | -     |
| ULO14             | 208+45.01 | LT-8.12           | 6" WAT MAIN     | -     |

### HARBOR CT

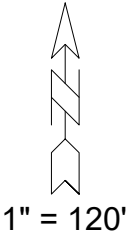
|       |           |          |          |   |
|-------|-----------|----------|----------|---|
| ULO17 | 100+67.54 | LT-15.85 | 1.5" GAS | - |
|-------|-----------|----------|----------|---|



|  |  |
|--|--|
| <b>14083</b><br><b>MADISON, WI</b>   | <b>14083</b><br><b>8743</b><br><b>CONTRACT NO:</b> |
| <b>NORMAN WAY - WATER PLAN AND PROFILE</b><br><b>LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024</b> |  |
| <small>M:\DESIGN\Projects\14083\CAD\Water\14083WU.dwg</small>                                      |  |
|  | <b>14083</b><br><b>W-1</b>                         |



**DISCLAIMER NOTE:**  
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



- WN20: CUT-IN CONNECTION**  
 LAKE MENDOTA DRIVE AT NORMAN WAY
- ISOLATION VALVES:**
- V-8940 (8-IN)
  - V-9184 (8-IN)
- NOTIFY:**
- 1853 EPWORTH COURT
  - LAKE MENDOTA DR: 5457, 5458, 5454, 5450, 5448, 5446, 5442, 5438, 5434, 5453, 5445, 5437, 5435, 5433, 5431, 5423, 5430, 5426, 5422, 5418, 5412, 5406, 5404, 5400, 5317, 5330
  - 1918 NORMAN WAY
  - HARBOR CT: 5235, 5240, 5229 5227 5223 5221 5217 5209 5236 5234 5320 5226 5222 5218 5214 5212 5206

- WN21: CUT-IN CONNECTION**  
 NORMAN WAY
- ISOLATION VALVES:**
- V-1 (6-IN)
  - V-14 (6-IN)
- NOTIFY:**
- 5321 LAKE MENDOTA DRIVE
  - NORMAN WAY: 1815, 1783, 1779, 1775, 1722, 1718, 1706, 1701
  - WOOD CIRCLE: 22, 2, 6, 10, 14, 18
  - 5401 GREENING LANE

- CONTACT INFO FOR 1701 NORMAN WAY**  
 (WHISPERING HILLS APTS)
- PH: 608.831.5343
  - EMAIL: MichelleH@mckenzie-apartments.com
- CONTACT INFO FOR 1706 NORMAN WAY**  
 (SPRING HARBOR APTS)
- PH: 608.273.0228
  - EMAIL: opitzmanagement@gmail.com

SCALE: #####  
 DESIGNED BY: NGM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 2/5/24

CONTRACT NO: 8743

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
 WATER IMPACT PLAN  
 CITY OF MADISON, WISCONSIN



14083  
 W-2



**CONSTRUCTION NOTES:**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.</li> <li>VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</li> <li>MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</li> </ol> | <p>WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|--|

**WATER UTILITY ULO SCHEDULE**

**\*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

| PAY_ITEM_ID | DESCRIPTION                                | QUANTITY | UNIT |
|-------------|--|----------|------|
| 70002       | FURNISH AND INSTALL 6-INCH PIPE & FITTINGS | 80       | LNFT |
| 70031       | FURNISH AND INSTALL 6-INCH WATER VALVE     | 1        | EACH |
| 70101       | FURNISH AND INSTALL STYROFOAM              | 5        | EACH |
| 71013       | 6-IN MJ PLUG                               | 1        | EACH |
| 71122       | 6-IN 45° BEND                              | 1        | EACH |
| 71208       | 6X6-IN TEE                                 | 1        | EACH |
| 71210       | 8X6-IN TEE                                 | 1        | EACH |
| 71338       | 6X18-IN OFFSET                             | 2        | EACH |

**\*ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:**

**\*ESTIMATE OF MATERIALS SALVAGED:**

|                      |   |      |
|----------------------|---|------|
| RELOCATED HYDRANT    | 1 | EACH |
| RELOCATED 6-IN VALVE | 1 | EACH |

\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

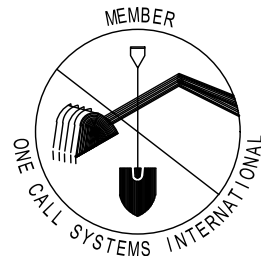
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511

FAX-A-LOCATE 1-800-338-3860

TDD (FOR HEARING IMPAIRED) 1-800-542-2289

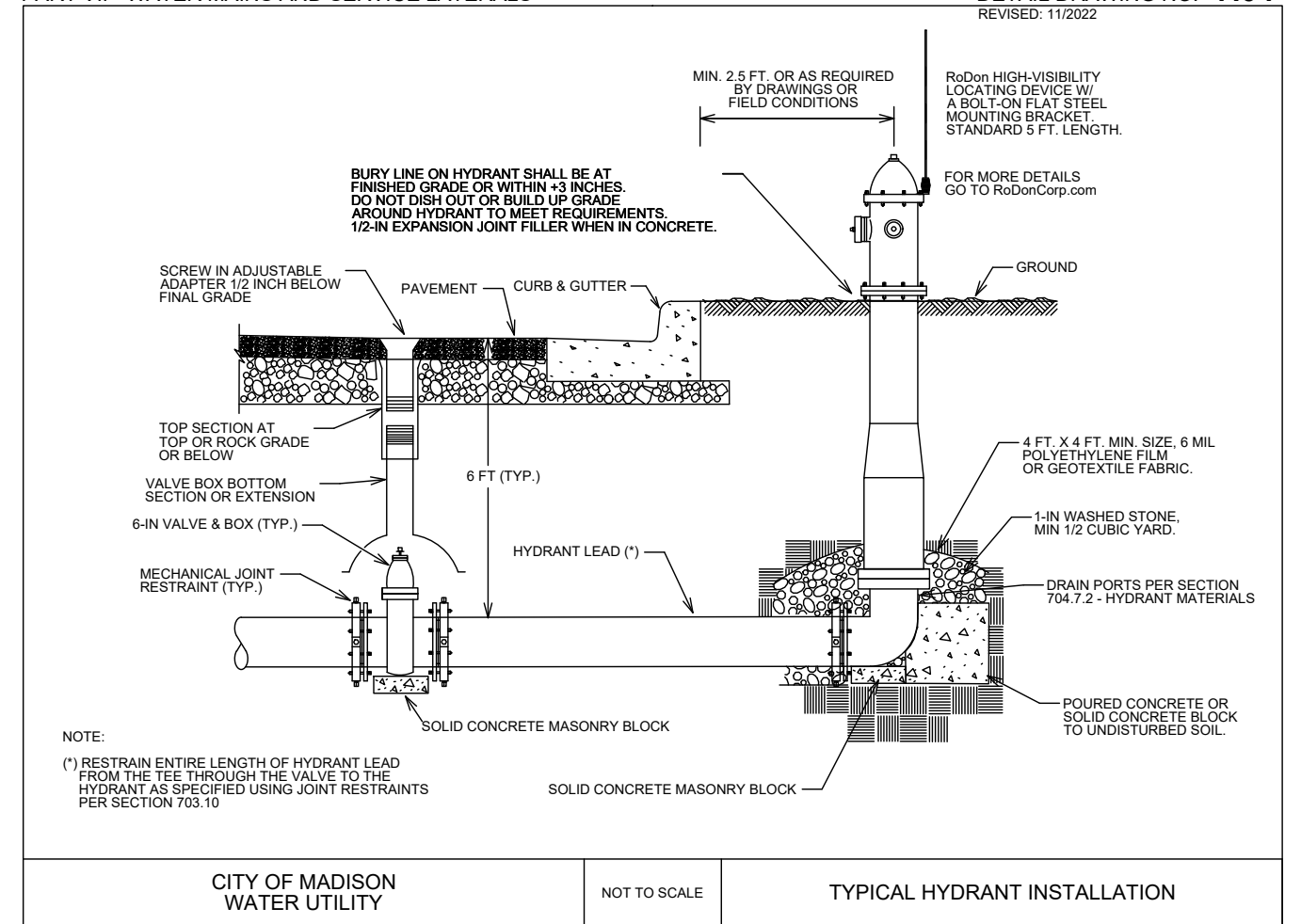
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

**PART VII - WATER MAINS AND SERVICE LATERALS**

**DETAIL DRAWING NO. 7.04**  
REVISED: 11/2022



LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

SCALE: N/A

DESIGNED BY: NGM

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

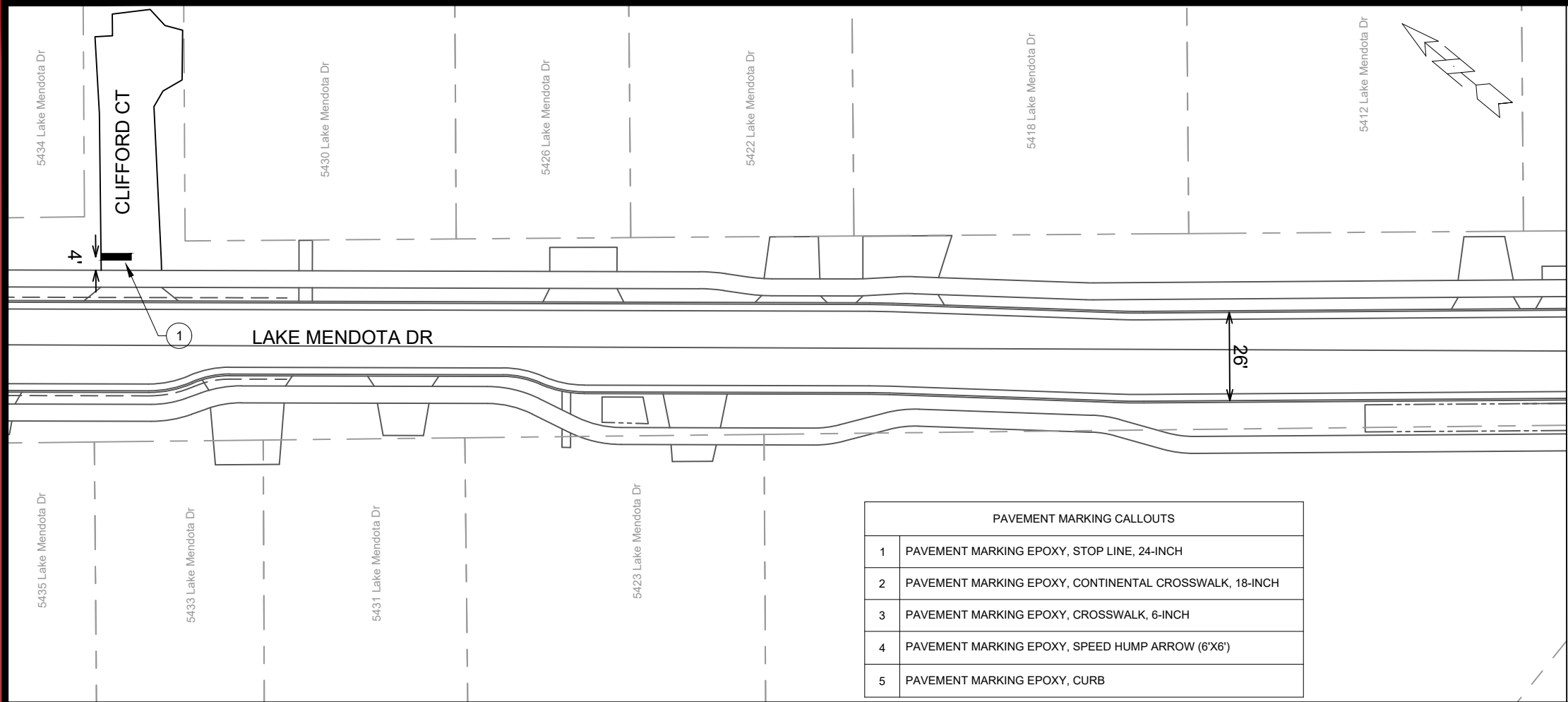
PRINTING DATE: 2/5/24

CONTRACT NO: 8743



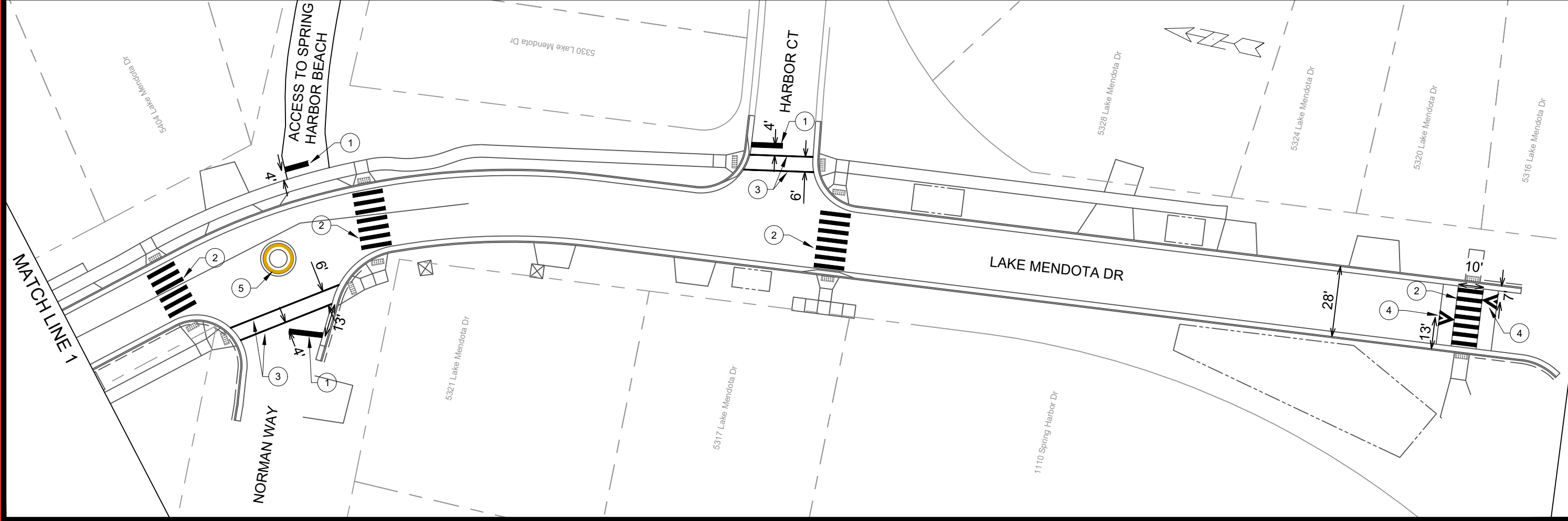
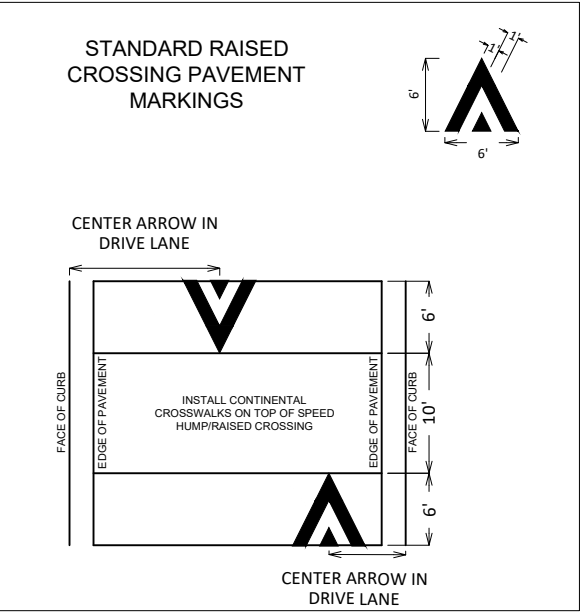
14083

W-3



| PAVEMENT MARKING CALLOUTS |  |
|---------------------------|--|
| 1                         | PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH             |
| 2                         | PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH |
| 3                         | PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH              |
| 4                         | PAVEMENT MARKING EPOXY, SPEED HUMP ARROW (6'X6')       |
| 5                         | PAVEMENT MARKING EPOXY, CURB                           |

MATCH LINE 1



MATCH LINE 1

| MARK  | REVISION | DATE    | BY   |
|-------|----------|---------|------|
| 14083 | 2024     | 3/19 PM | PM-1 |

14083  
MADISON, WI  
8743  
CONTRACT NO:

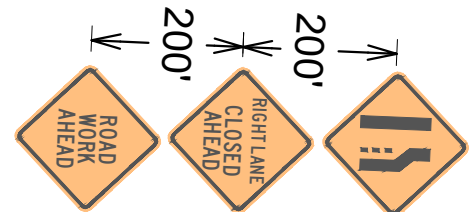
PAVEMENT MARKING PLAN  
LAKE MENDOTA DRIVE - PHASE 3  
M:\DESIGN\Projects\14083\CAD\Traffic\14083TE-PavementMarking.dwg

14083  
PM-1



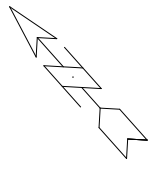
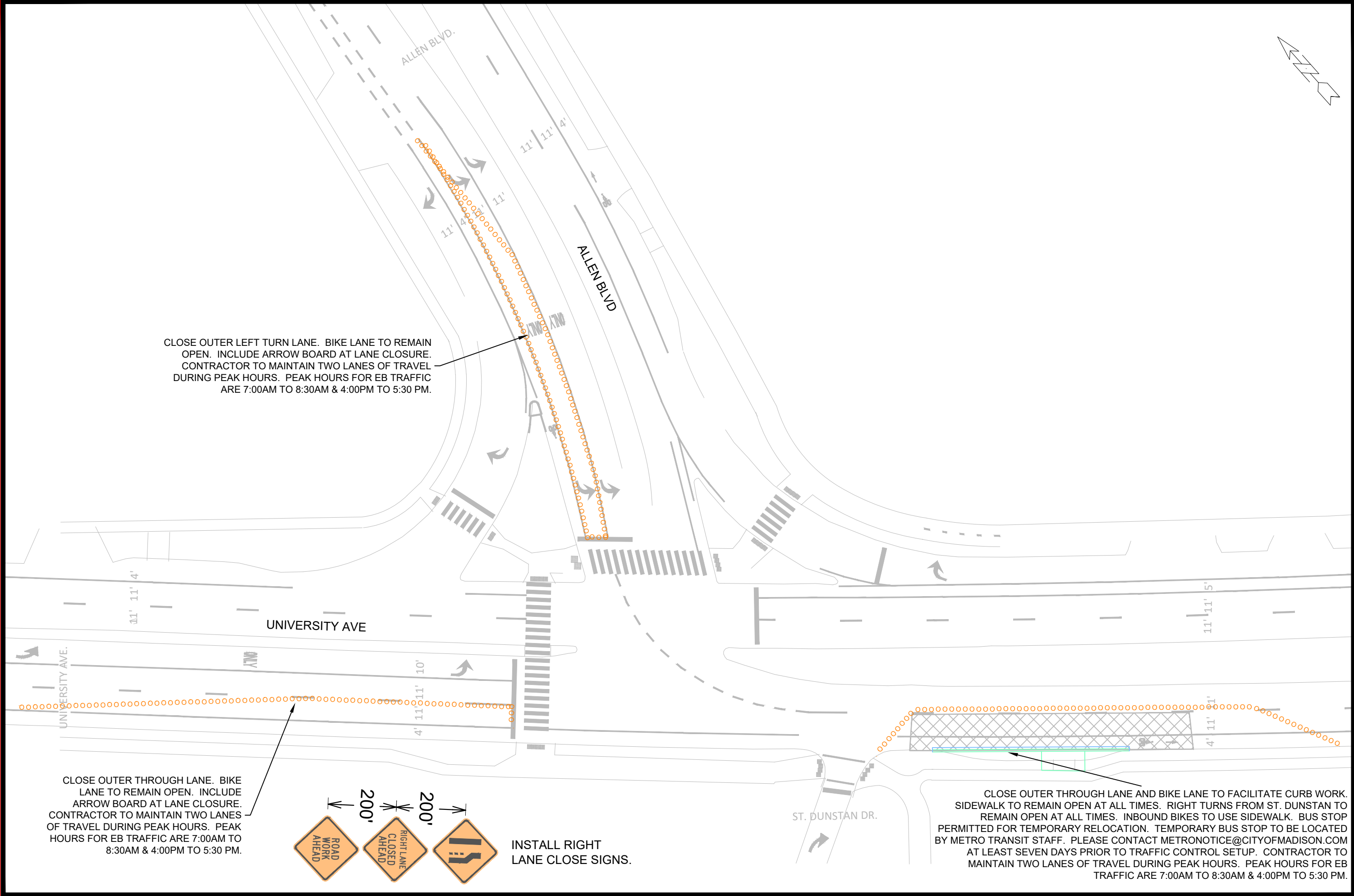
CLOSE OUTER LEFT TURN LANE. BIKE LANE TO REMAIN OPEN. INCLUDE ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR EB TRAFFIC ARE 7:00AM TO 8:30AM & 4:00PM TO 5:30 PM.

CLOSE OUTER THROUGH LANE. BIKE LANE TO REMAIN OPEN. INCLUDE ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR EB TRAFFIC ARE 7:00AM TO 8:30AM & 4:00PM TO 5:30 PM.



INSTALL RIGHT LANE CLOSE SIGNS.

CLOSE OUTER THROUGH LANE AND BIKE LANE TO FACILITATE CURB WORK. SIDEWALK TO REMAIN OPEN AT ALL TIMES. RIGHT TURNS FROM ST. DUNSTAN TO REMAIN OPEN AT ALL TIMES. INBOUND BIKES TO USE SIDEWALK. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR EB TRAFFIC ARE 7:00AM TO 8:30AM & 4:00PM TO 5:30 PM.



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14083  
MADISON, WI  
8743  
CONTRACT NO:

TRAFFIC CONTROL - UNIVERSITY AVE & ALLEN BLVD  
LAKE MENDOTA DRIVE - PHASE 3  
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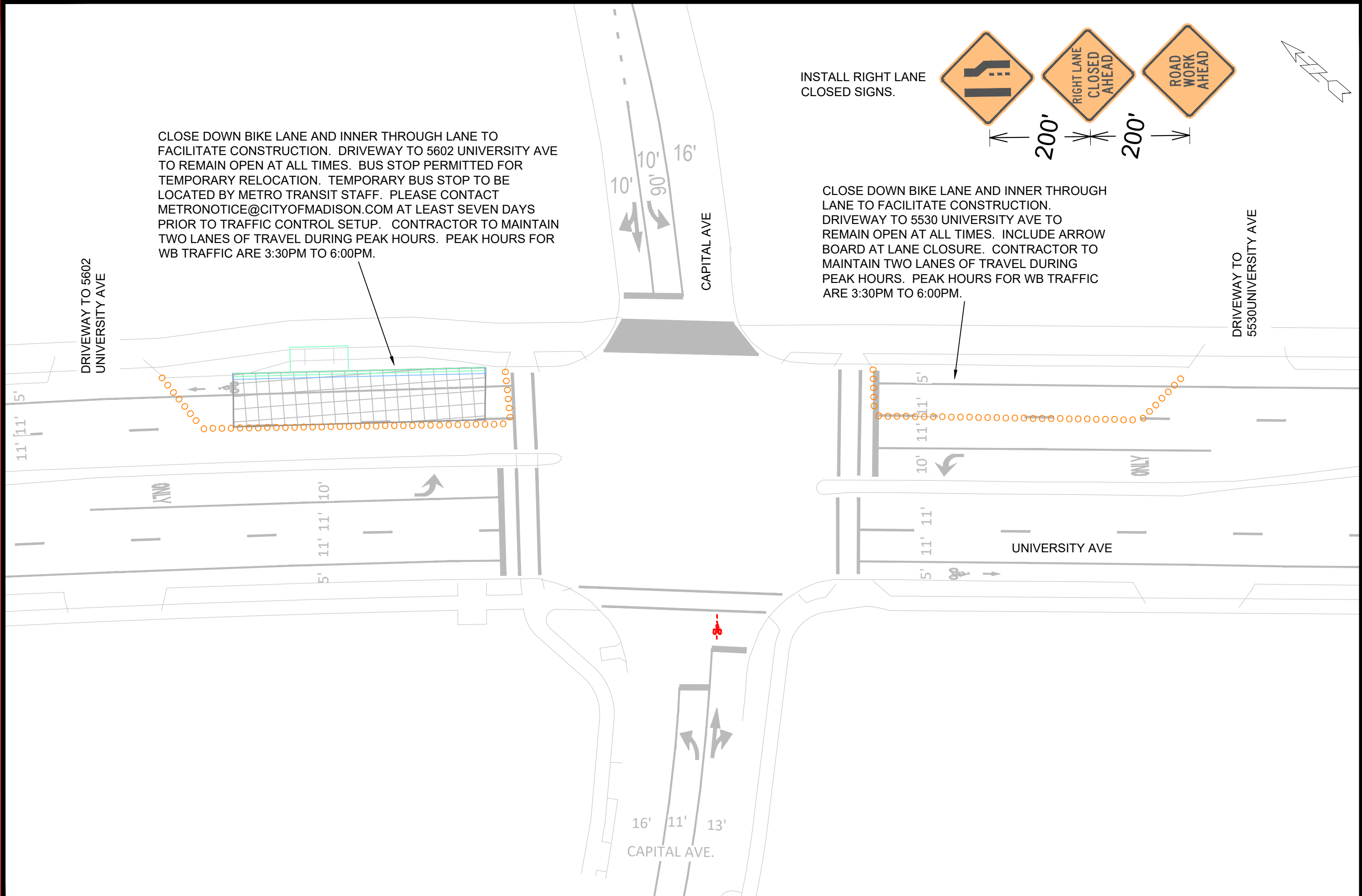
14083  
TC-1

CLOSE DOWN BIKE LANE AND INNER THROUGH LANE TO FACILITATE CONSTRUCTION. DRIVEWAY TO 5602 UNIVERSITY AVE TO REMAIN OPEN AT ALL TIMES. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.

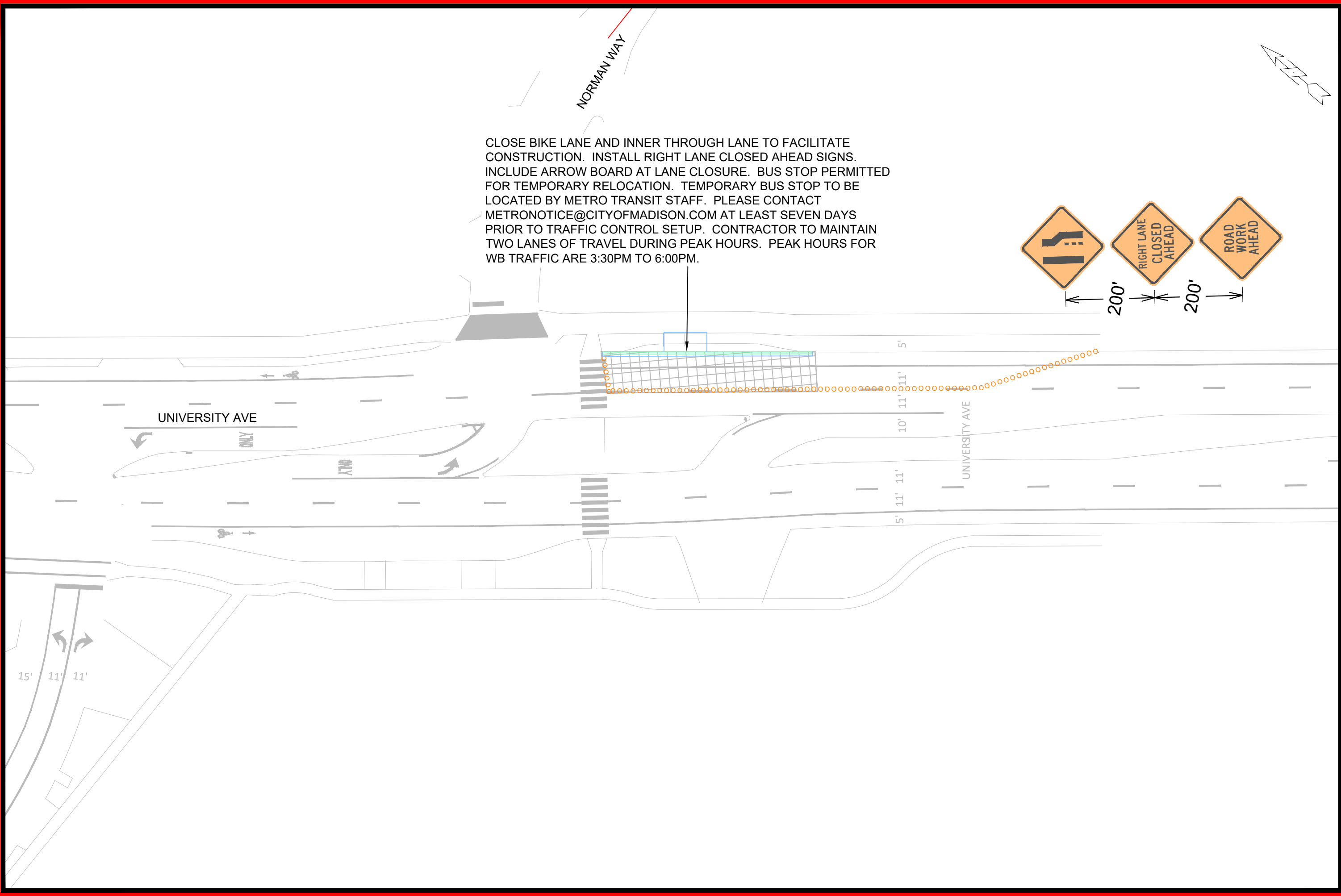
INSTALL RIGHT LANE CLOSED SIGNS.



CLOSE DOWN BIKE LANE AND INNER THROUGH LANE TO FACILITATE CONSTRUCTION. DRIVEWAY TO 5530 UNIVERSITY AVE TO REMAIN OPEN AT ALL TIMES. INCLUDE ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.



|   |  |                   |      |
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|   | 14083  |                   | TC-2 |
|   | TRAFFIC CONTROL - UNIVERSITY AVE & CAPITAL AVE |                   |      |
| LAKE MENDOTA DRIVE - PHASE 3                                    |  | MADISON, WI       |      |
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| 14083   |  | TC-2              |      |



CLOSE BIKE LANE AND INNER THROUGH LANE TO FACILITATE CONSTRUCTION. INSTALL RIGHT LANE CLOSED AHEAD SIGNS. INCLUDE ARROW BOARD AT LANE CLOSURE. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.

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14083  
 MADISON, WI  
 8743  
 CONTRACT NO:  
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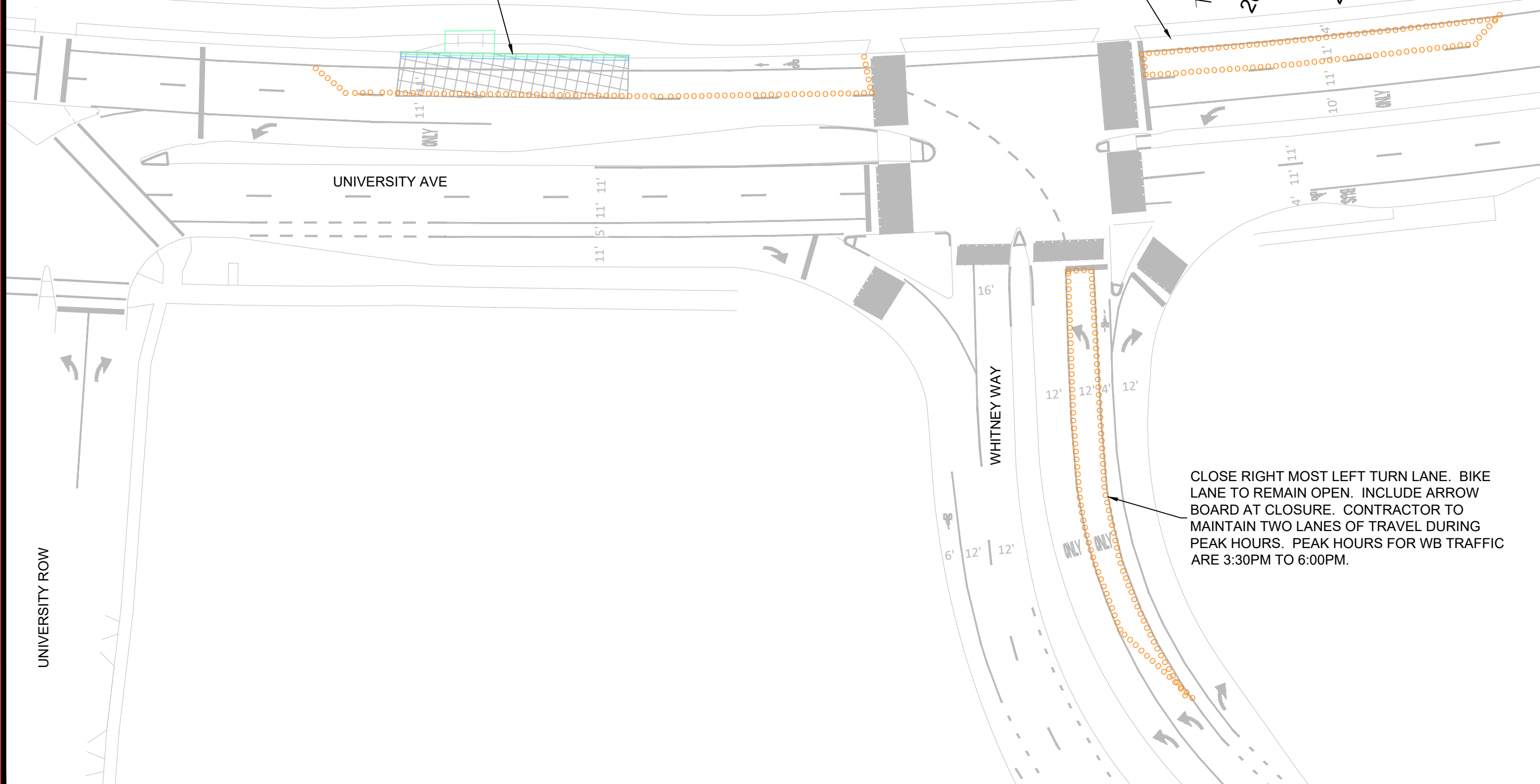
  
 14083  
 TC-3

CLOSE BIKE LANE AND THROUGH LANE TO FACILITATE CONSTRUCTION. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.

CLOSE BIKE LANE AND THROUGH LANE TO FACILITATE CONSTRUCTION. INSTALL ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.



CLOSE RIGHT MOST LEFT TURN LANE. BIKE LANE TO REMAIN OPEN. INCLUDE ARROW BOARD AT CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.



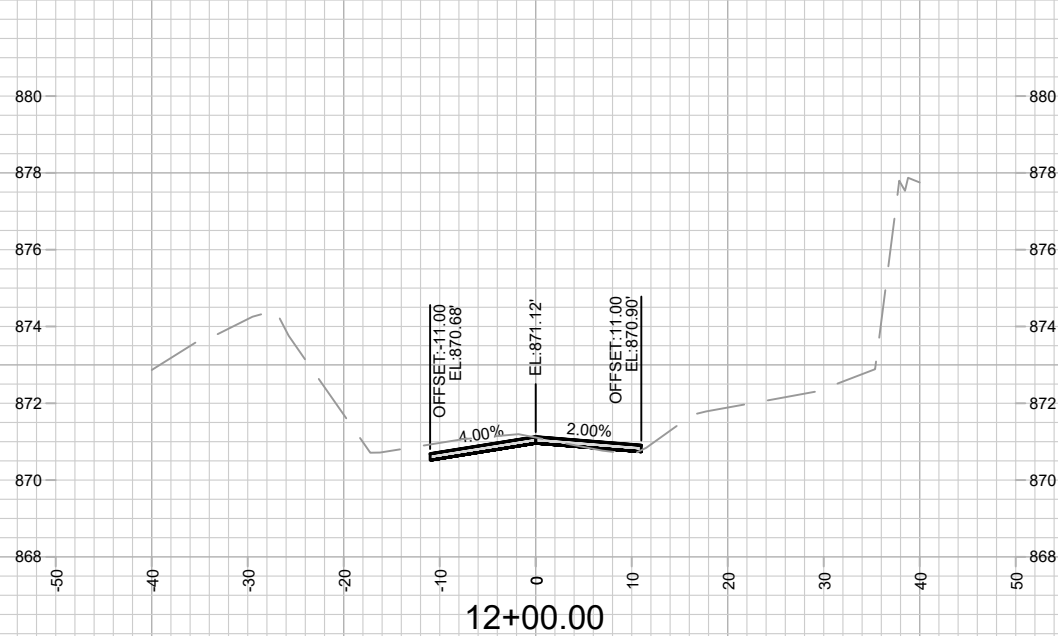
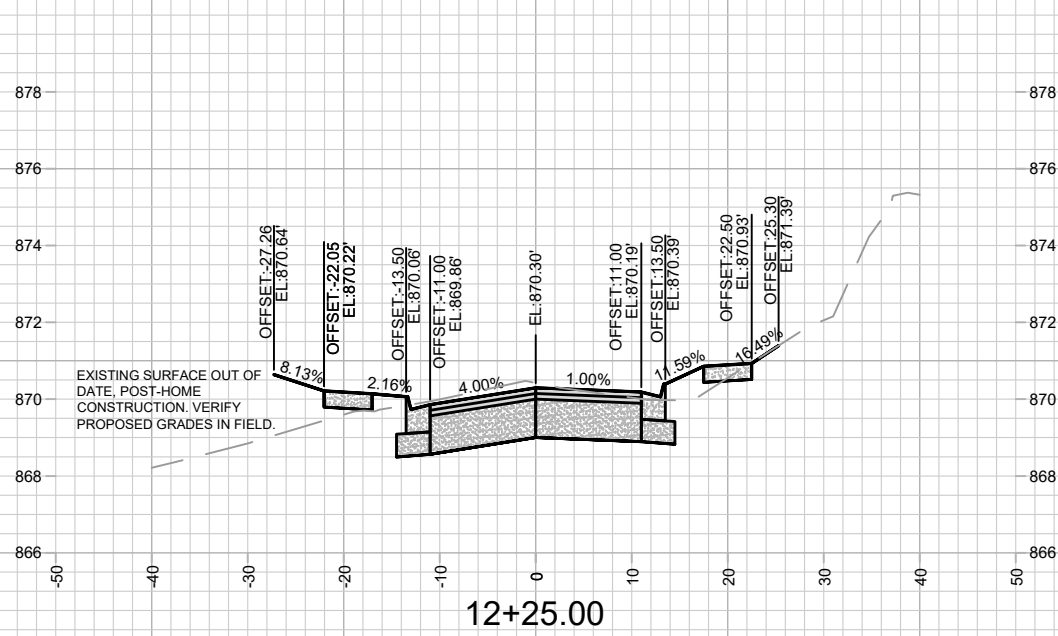
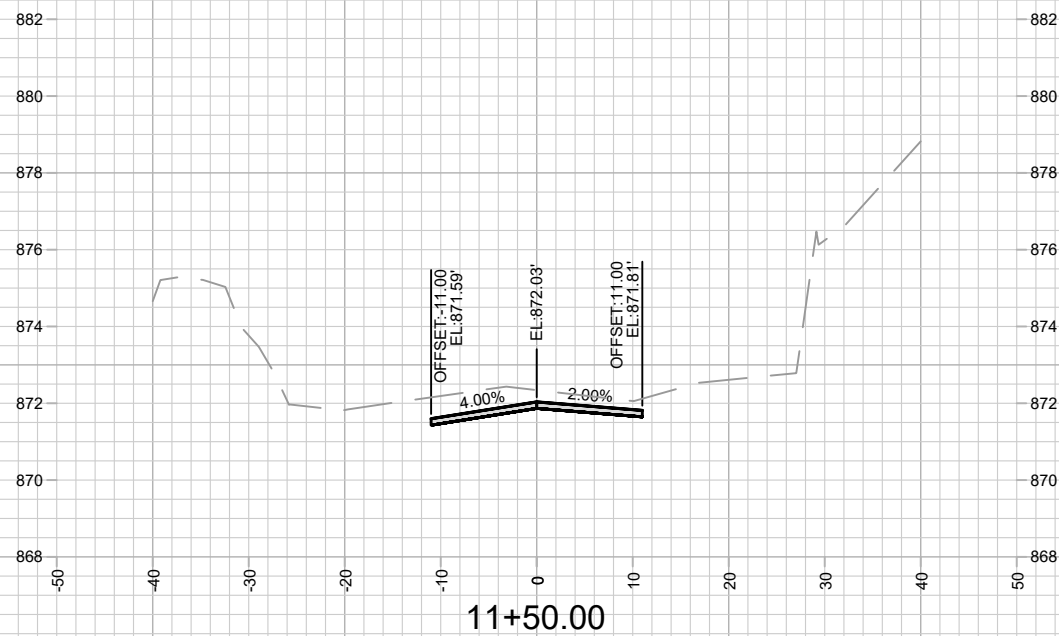
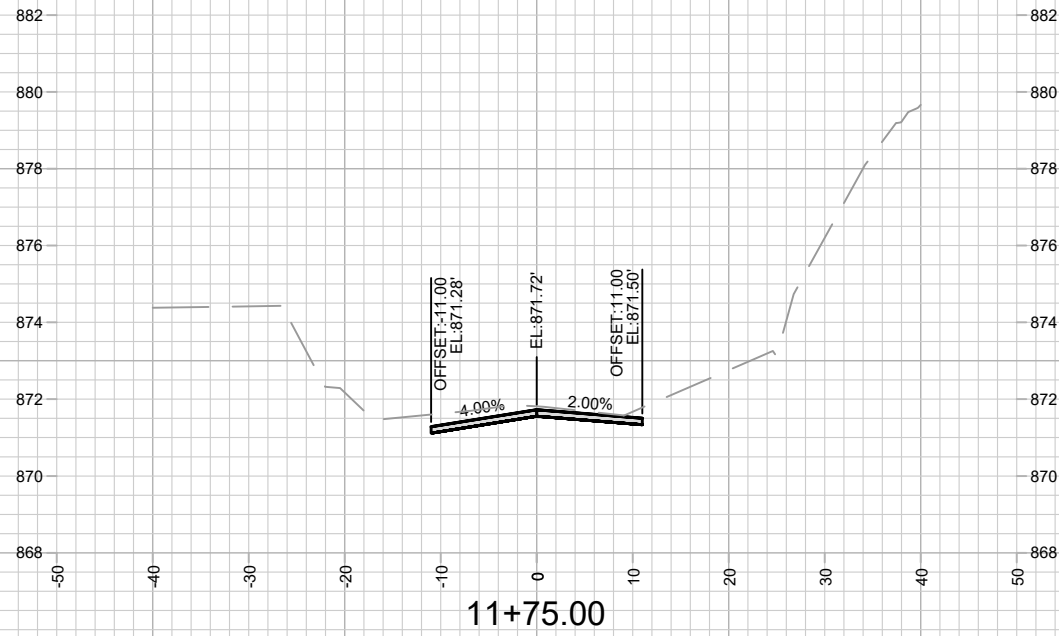
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14083  
MADISON, WI  
8743  
CONTRACT NO:

TRAFFIC CONTROL - UNIVERSITY AVE & WHITNEY WAY  
LAKE MENDOTA DRIVE - PHASE 3  
M:\DESIGN\Projects\14083\CAD\Traffic\14083TE-TrafficControl.dwg



14083  
TC-4



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14083  
MADISON, WI  
8743  
CONTRACT NO:

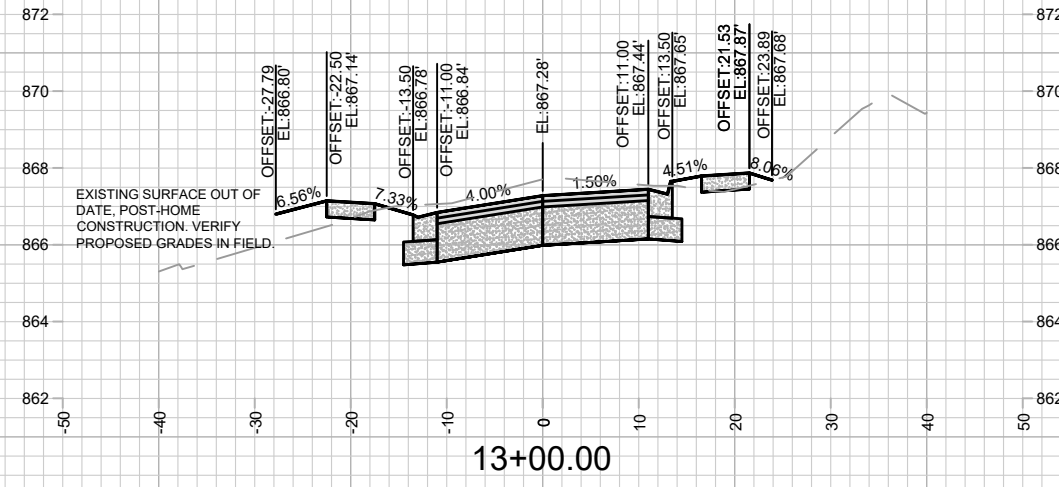
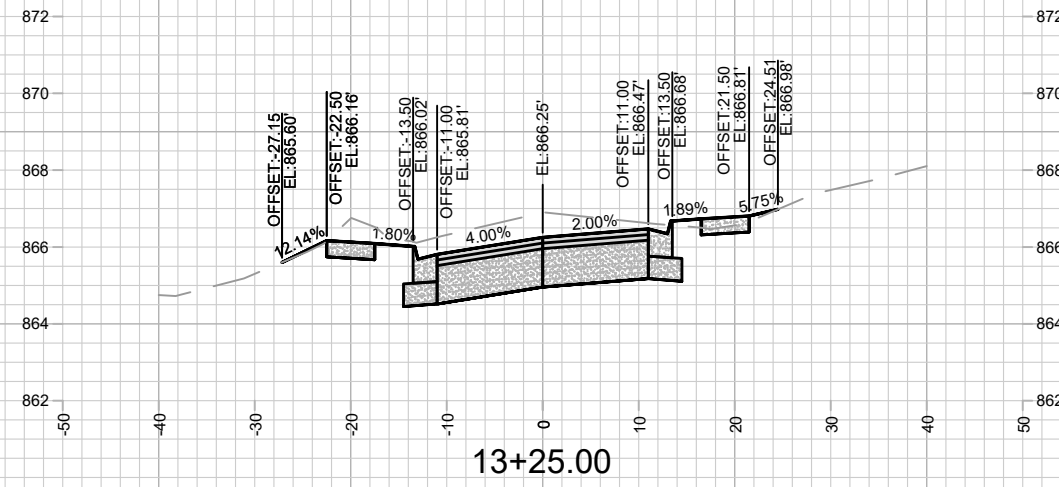
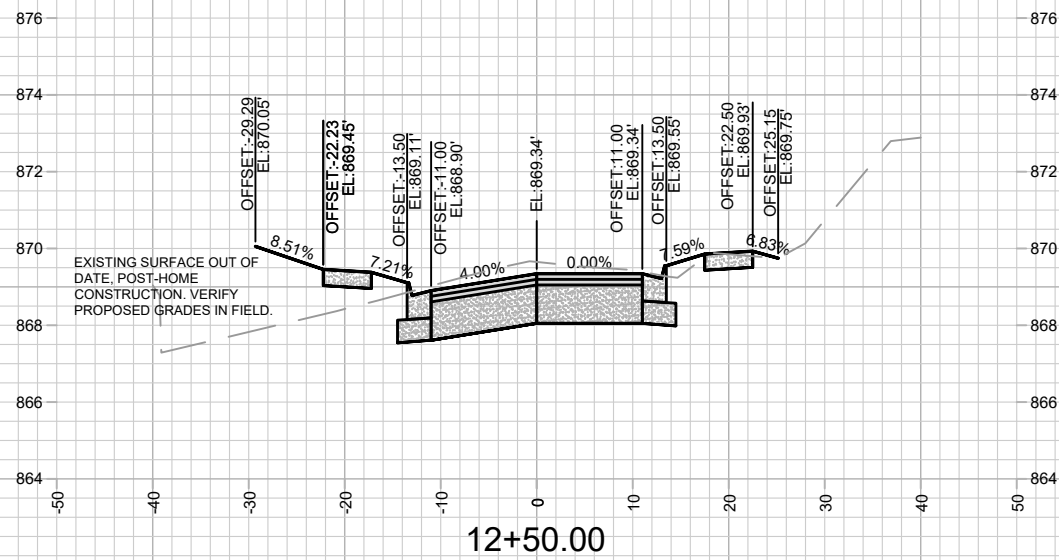
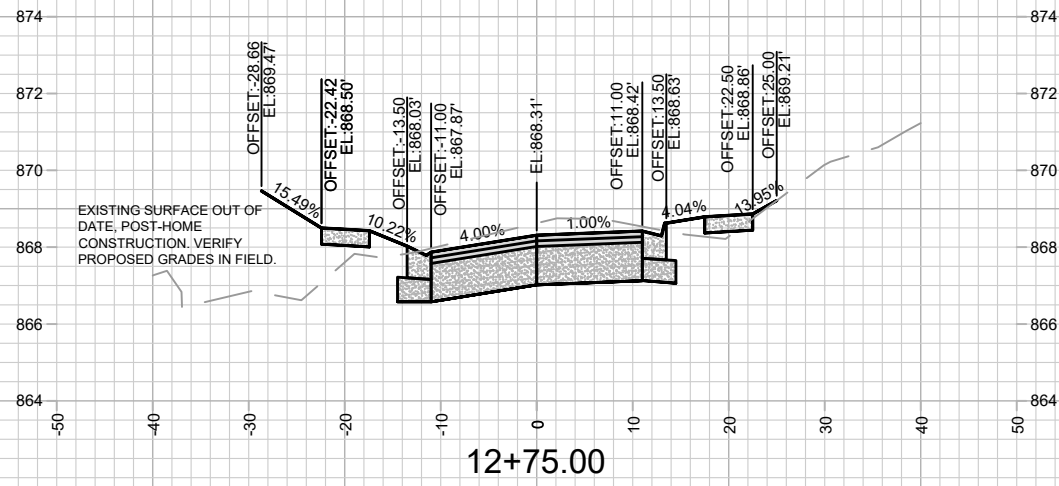
LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
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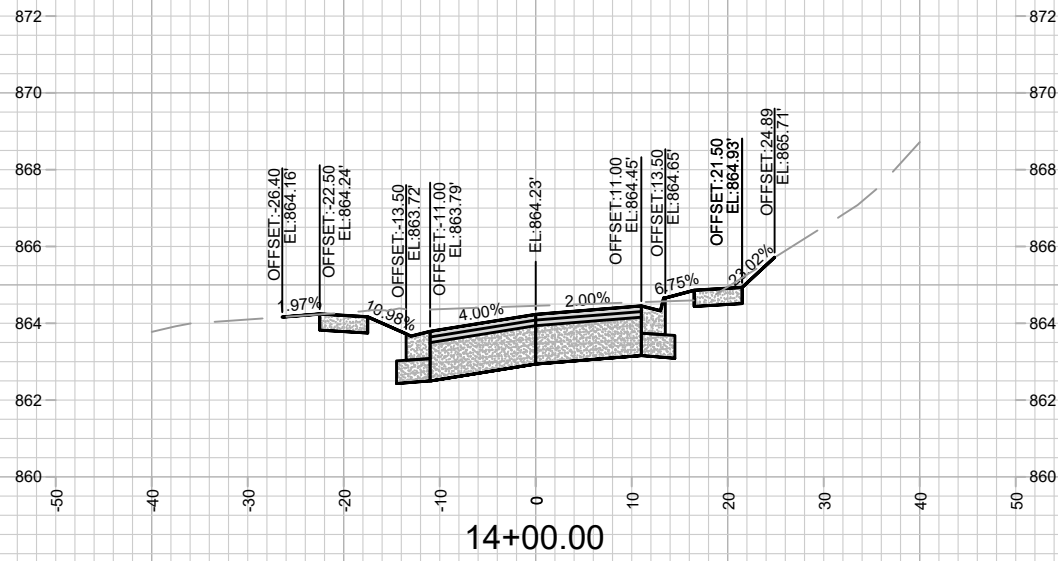
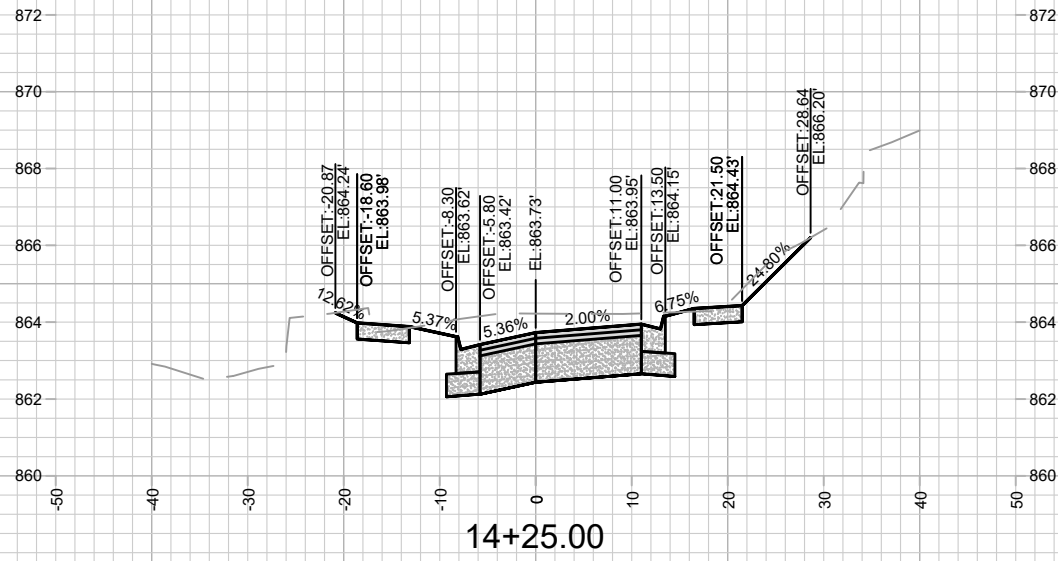
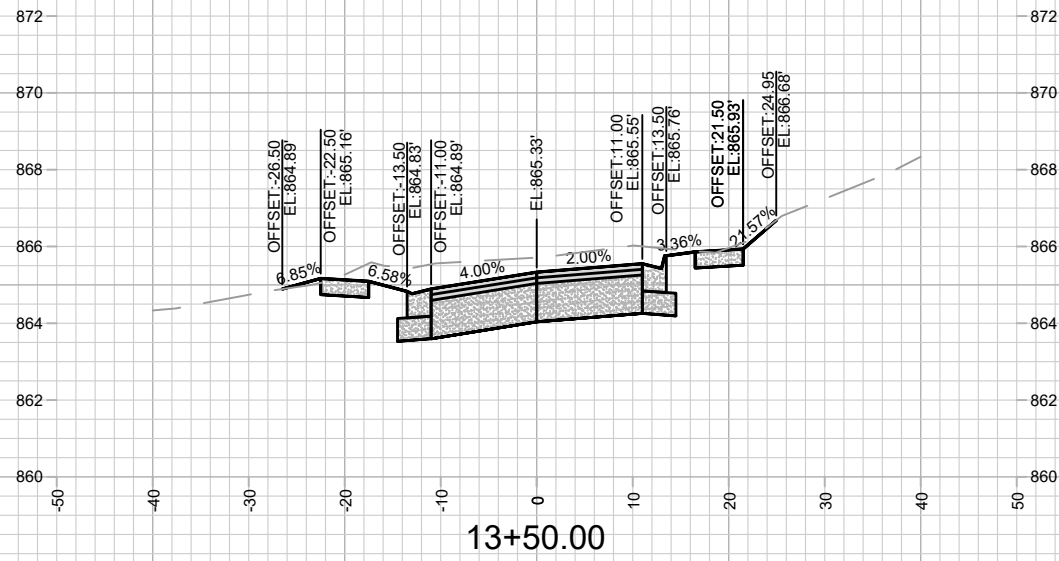
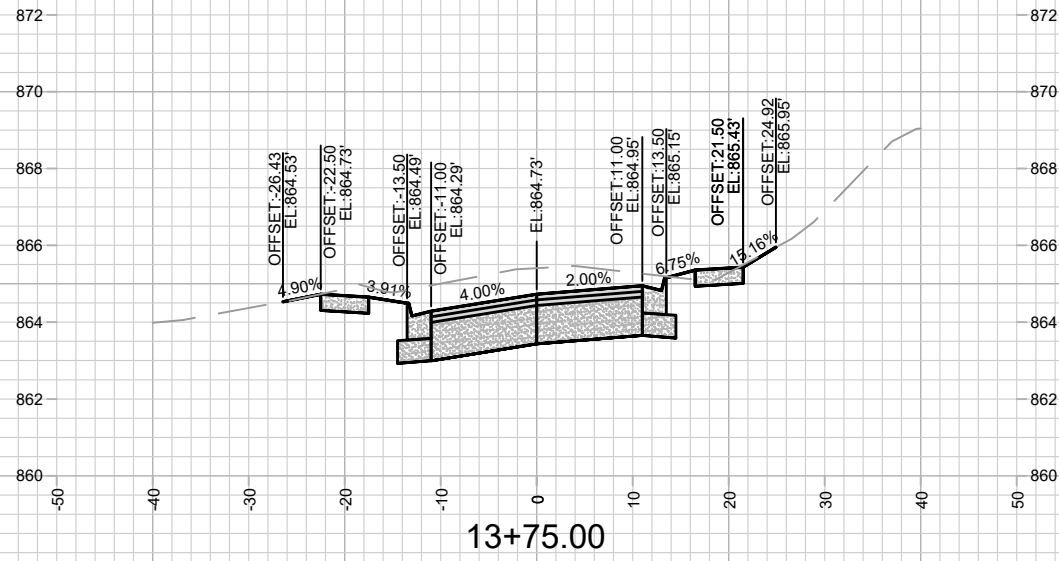
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14083  
MADISON, WI  
8743  
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
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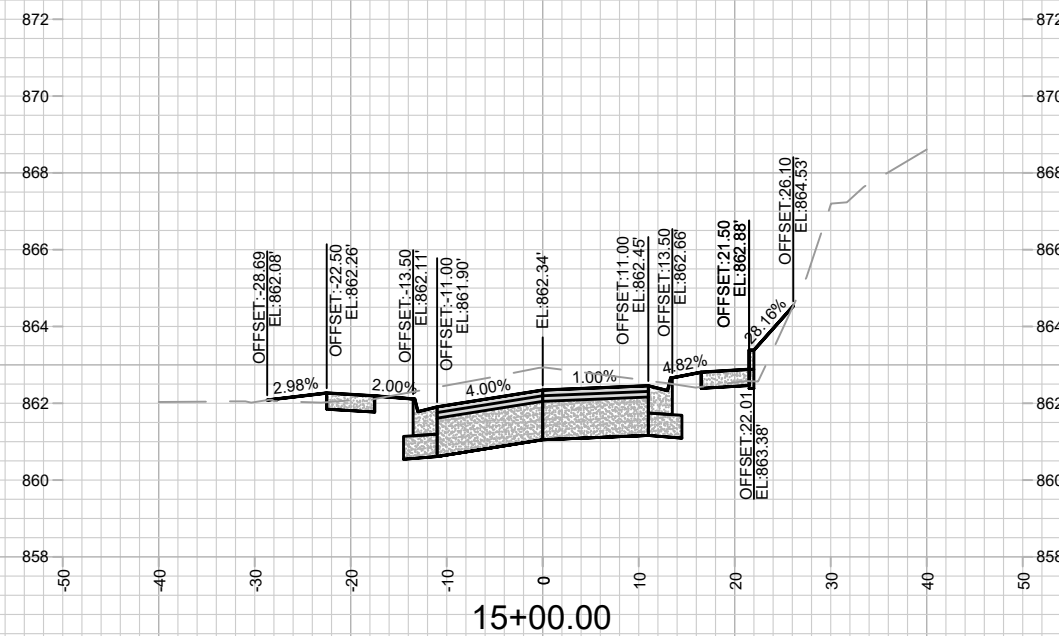
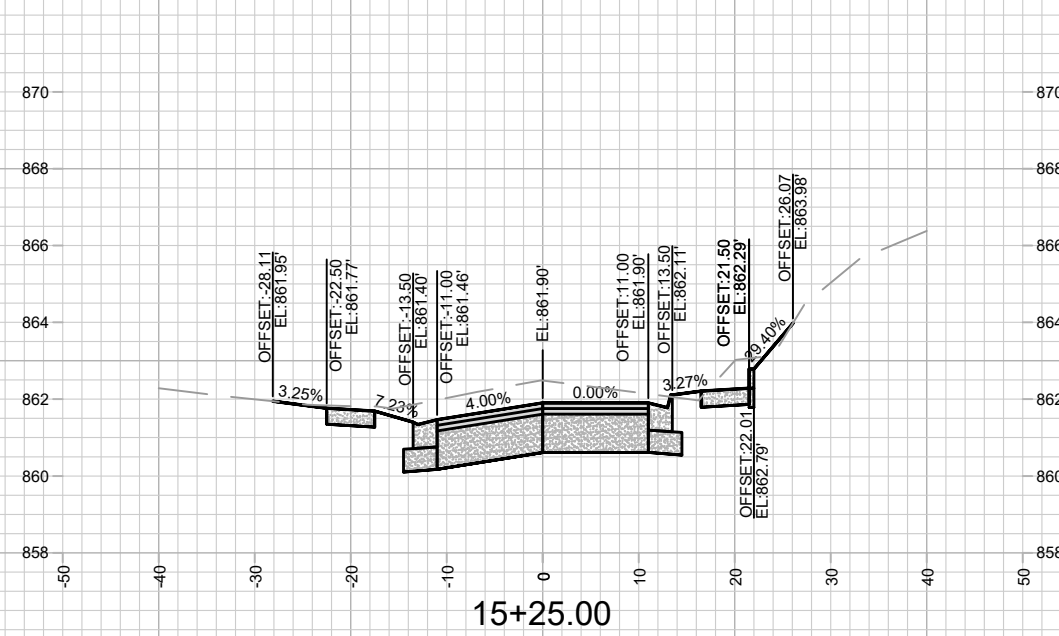
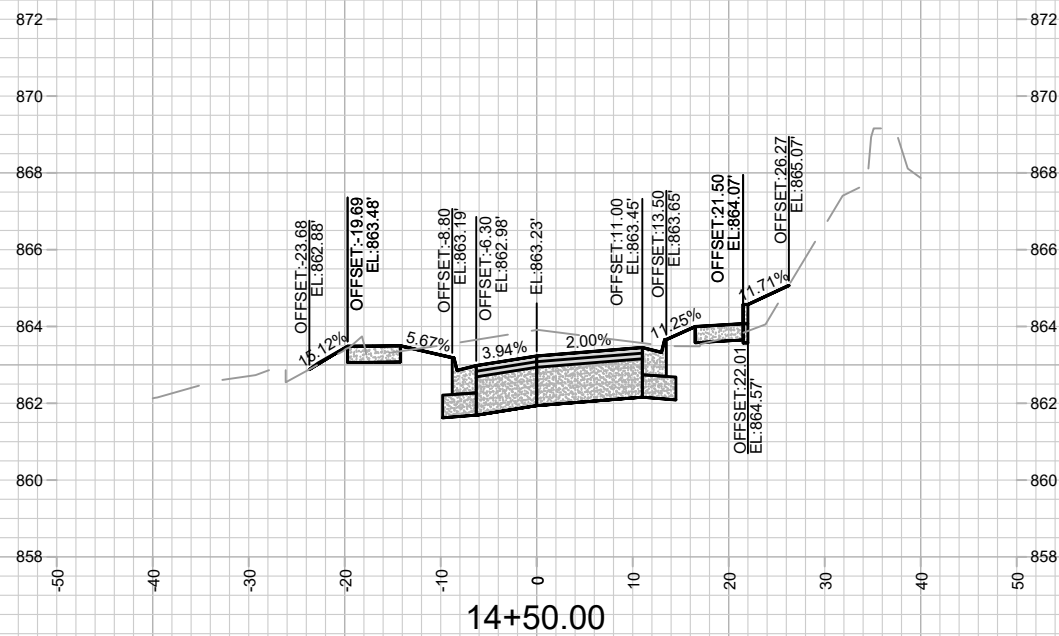
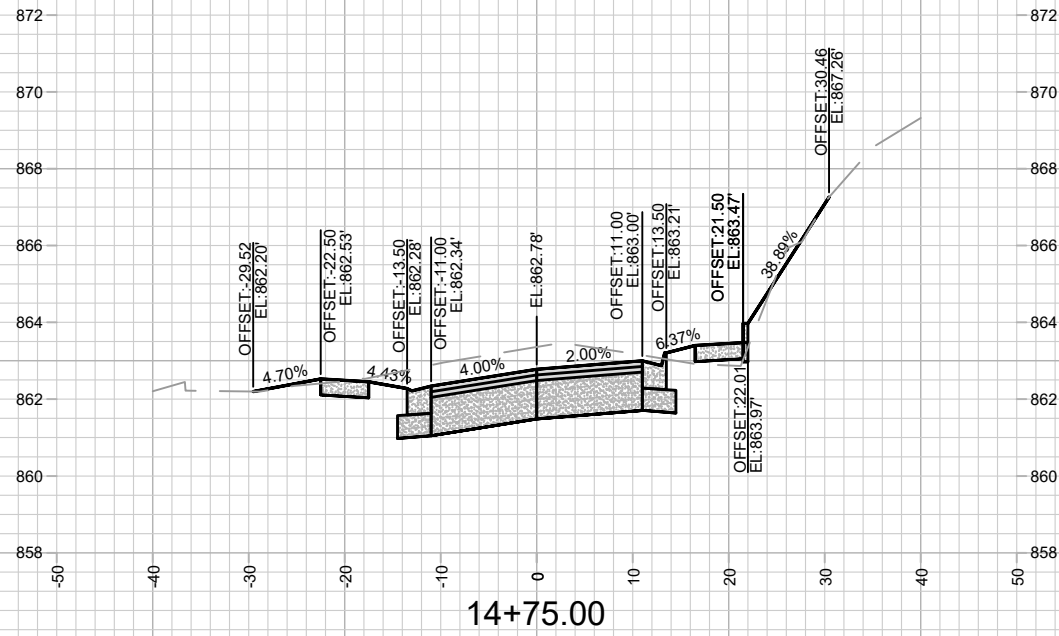
14083  
MADISON, WI  
8743  
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
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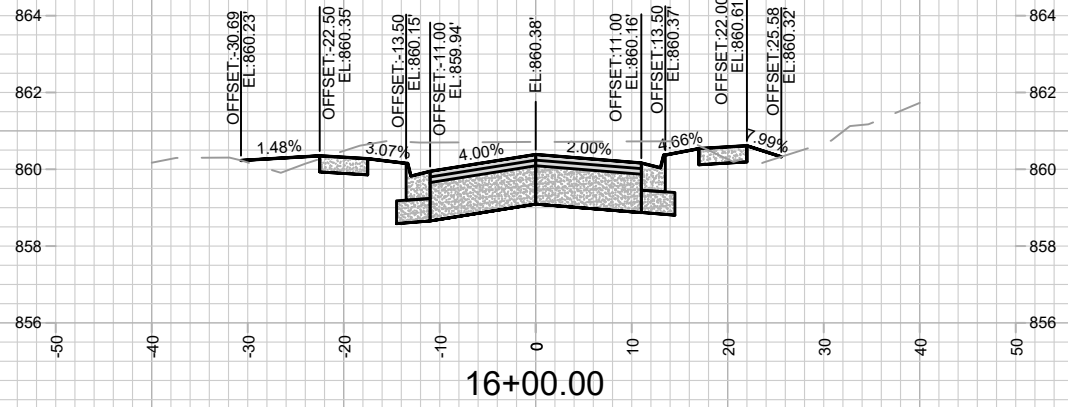
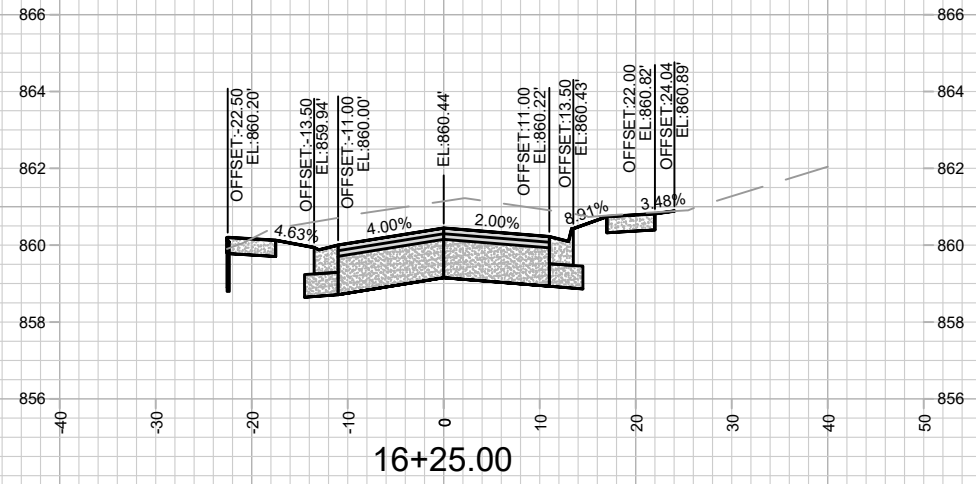
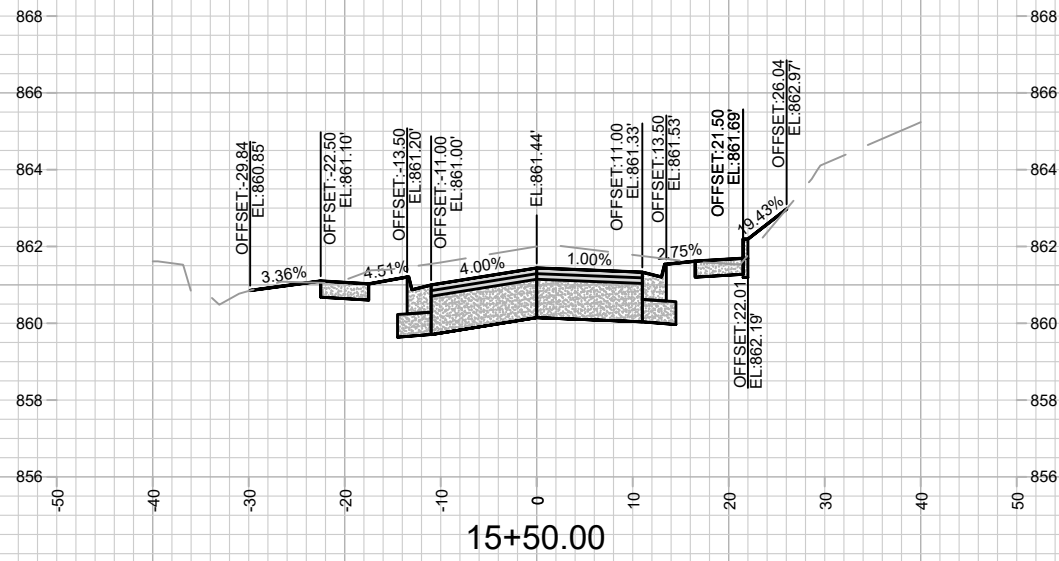
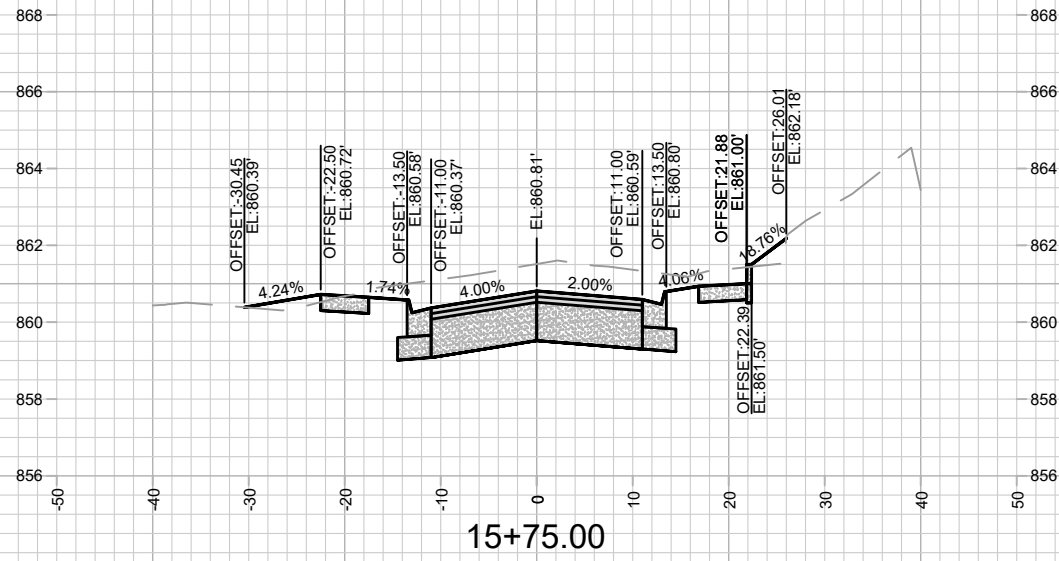
14083  
MADISON, WI  
8743  
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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Scale: 1" = 20'



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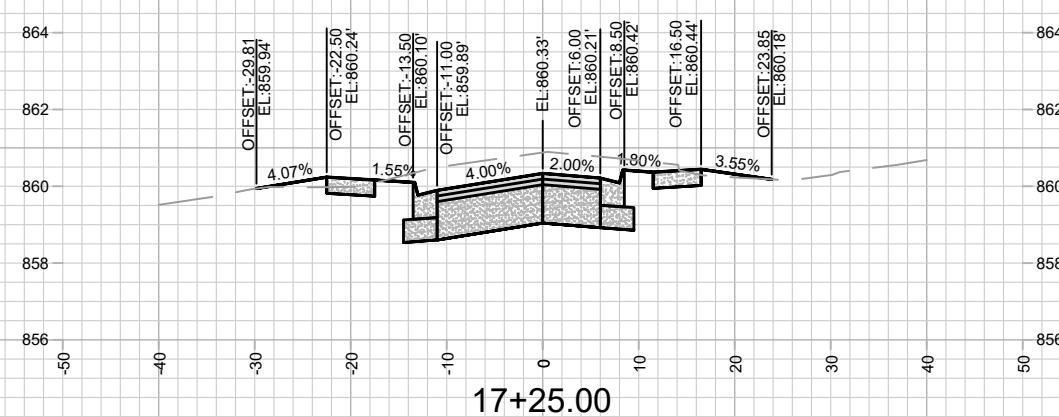
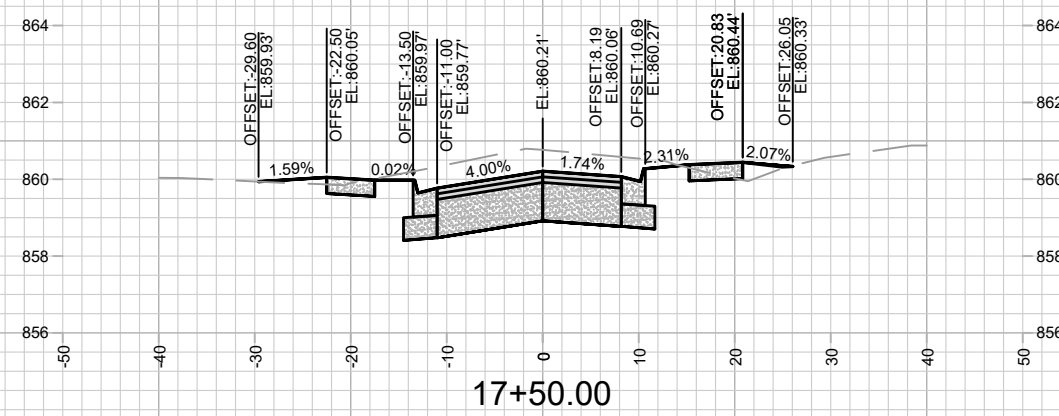
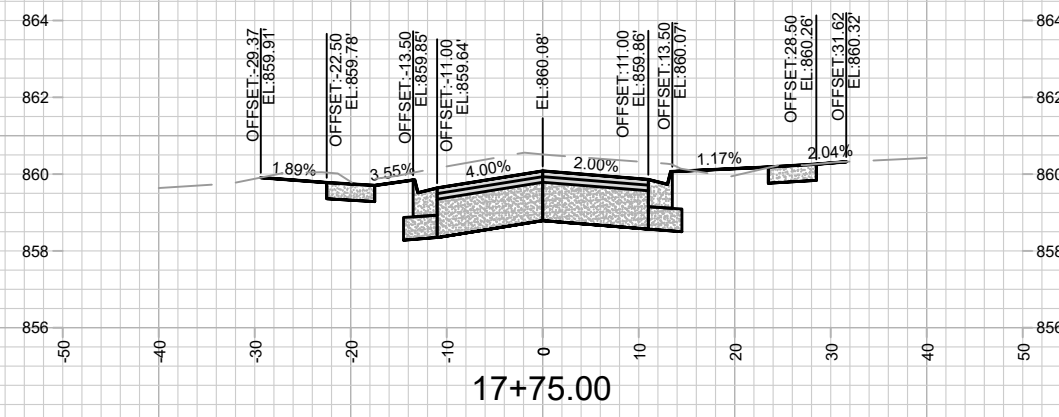
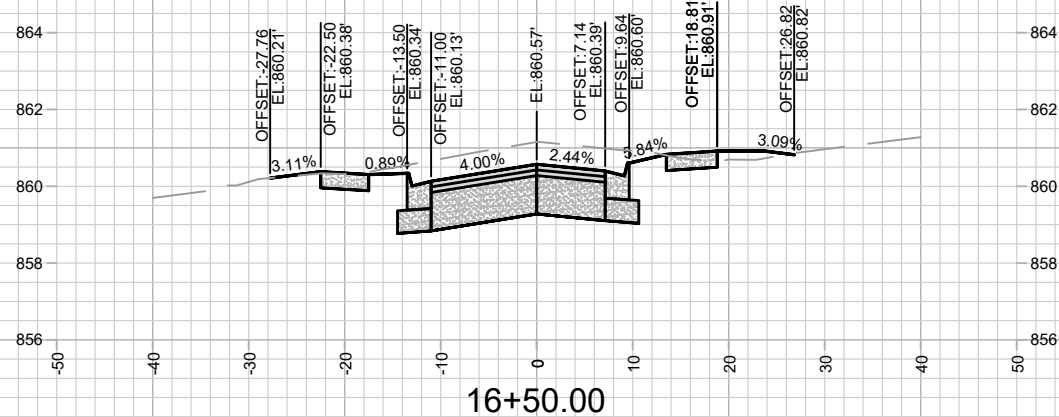
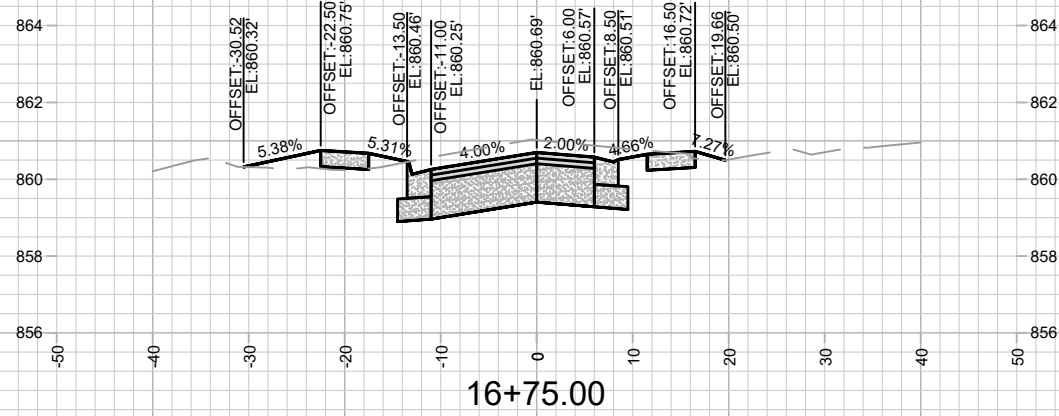
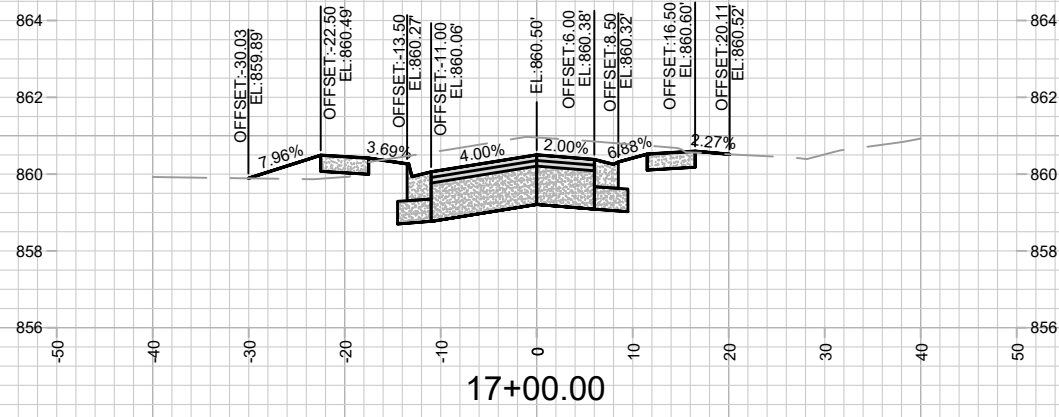
LAKE MENDOTA DRIVE - CROSS SECTIONS  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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14083  
 X-5

Scale: 1" = 20'





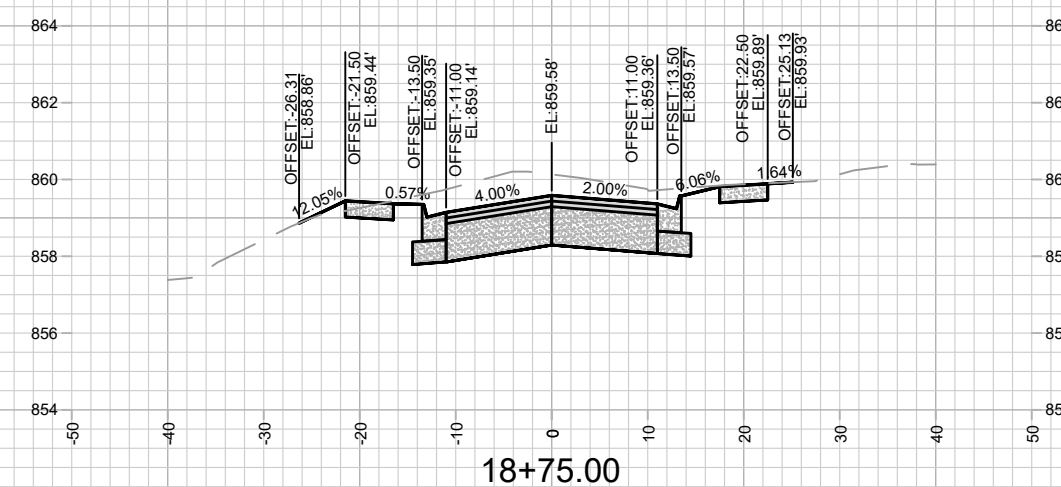
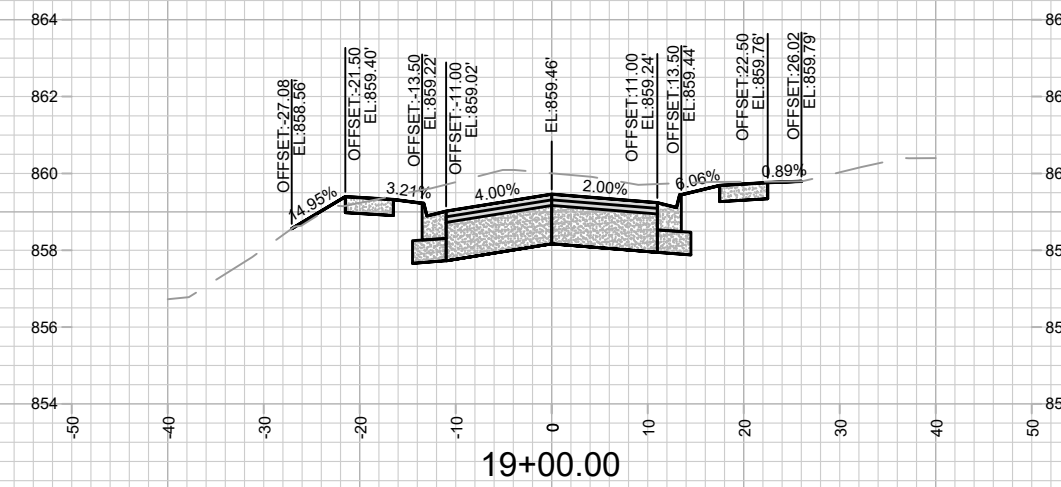
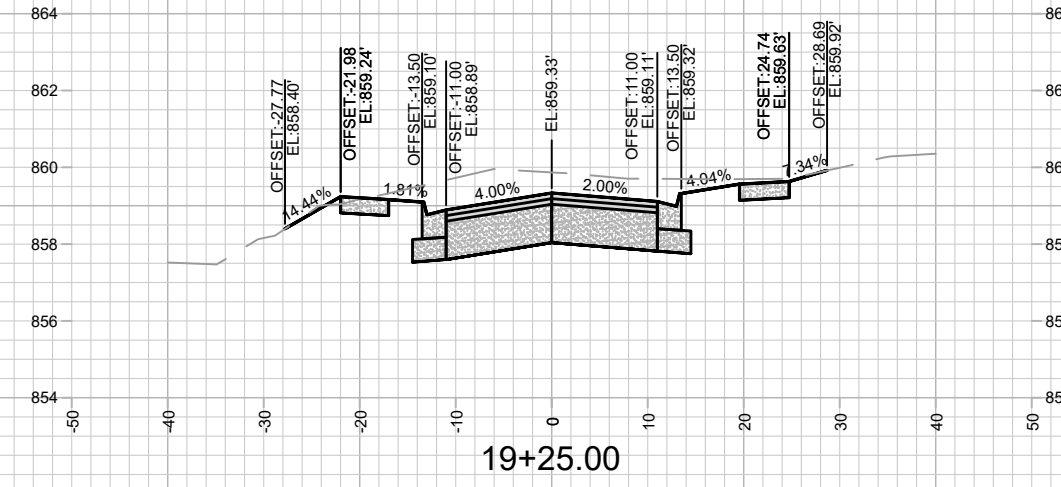
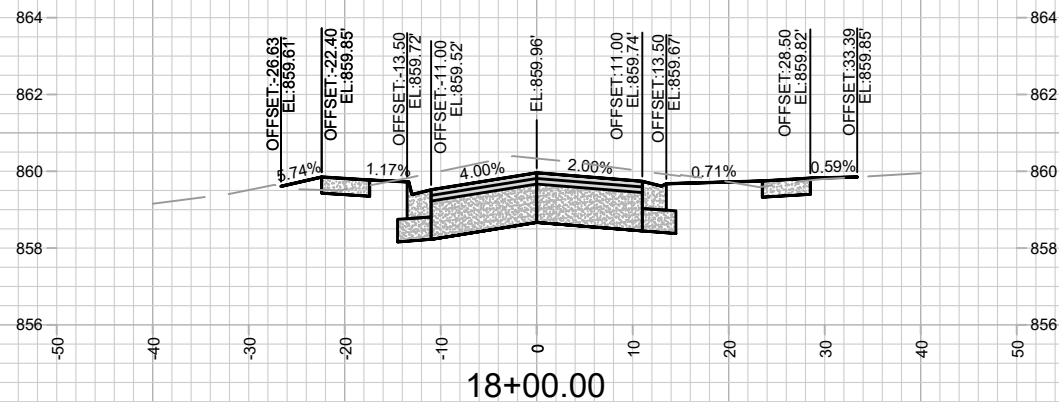
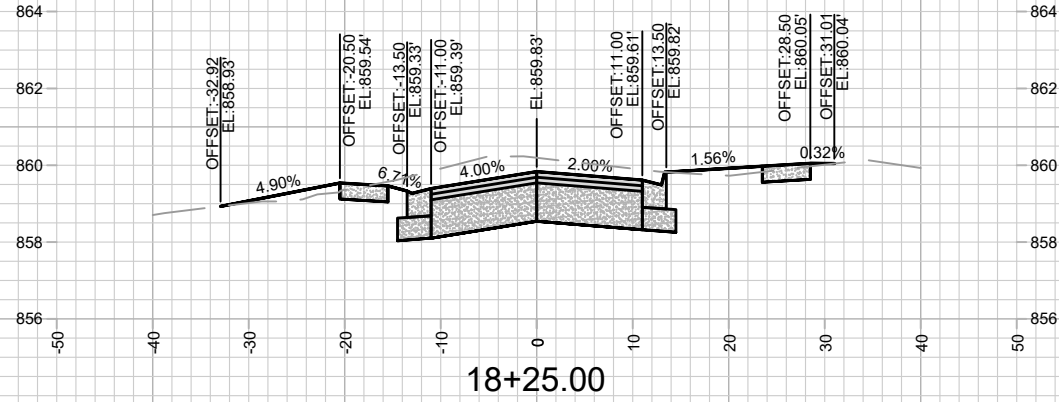
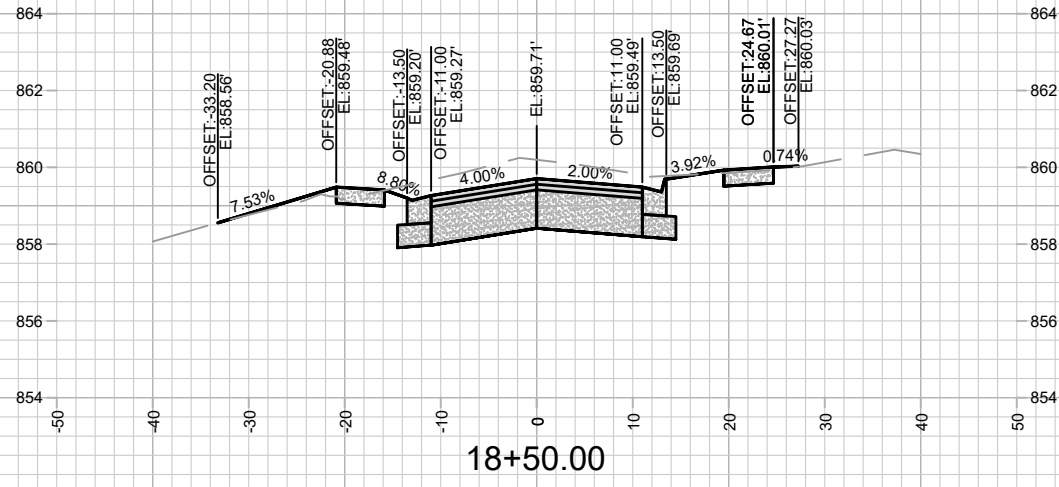
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14083  
MADISON, WI  
8743  
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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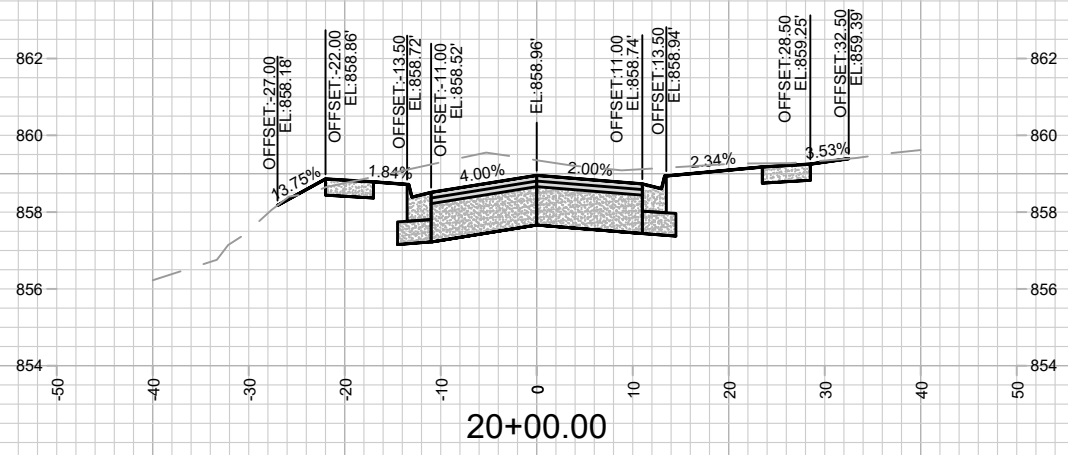
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MADISON, WI  
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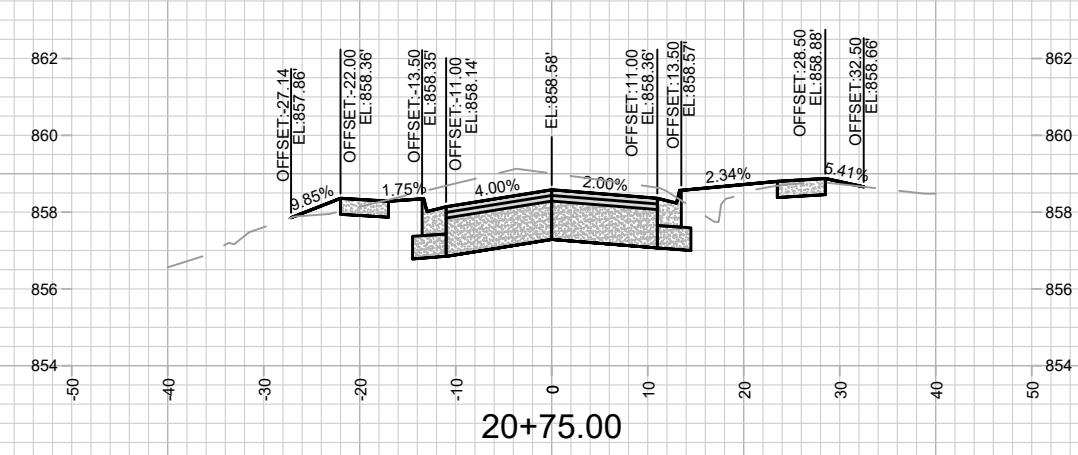
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LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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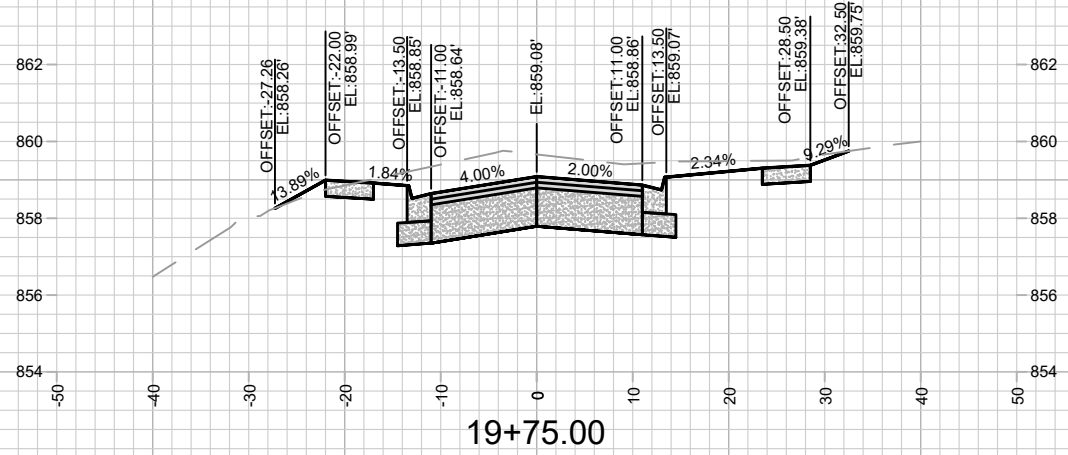
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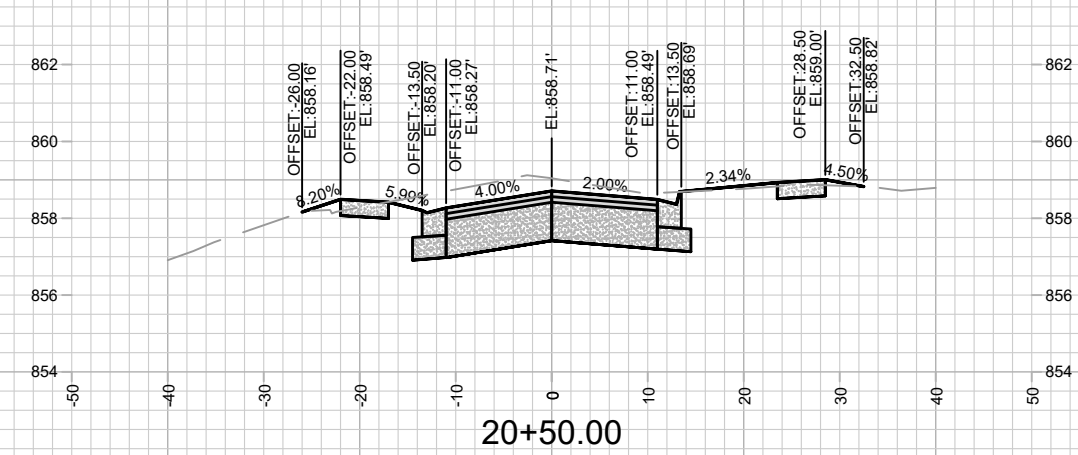
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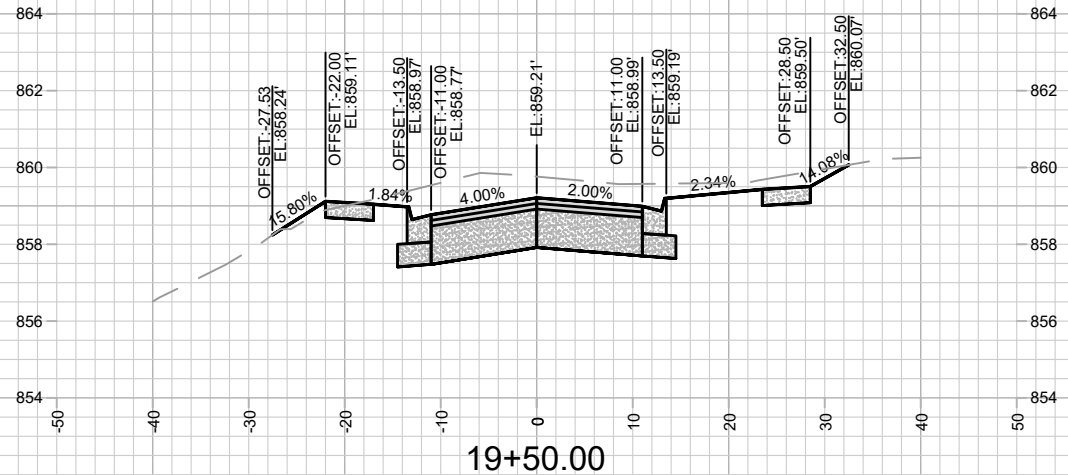
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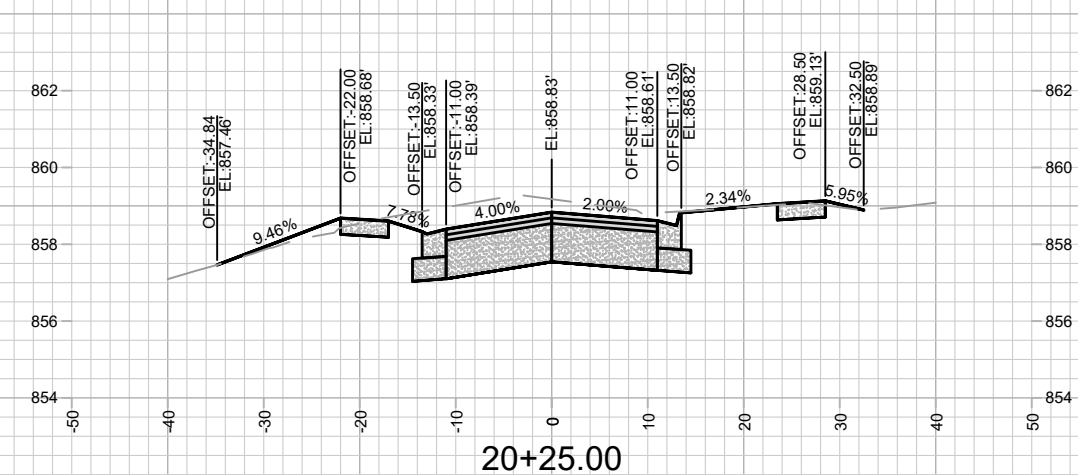
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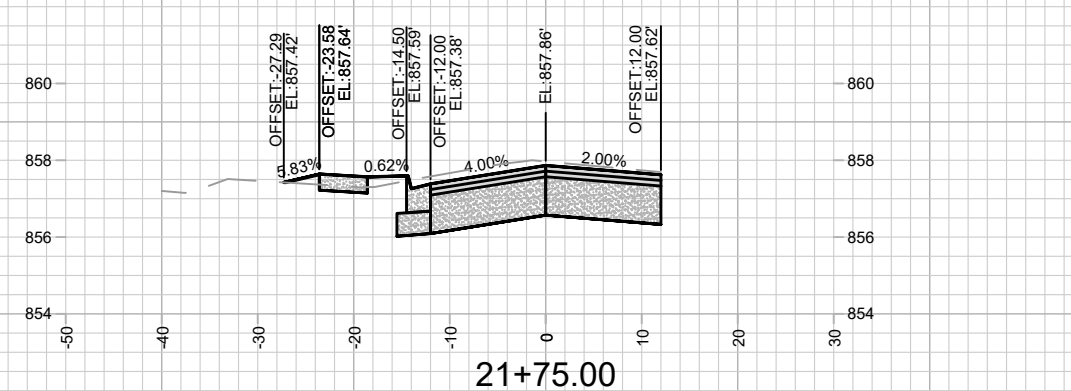
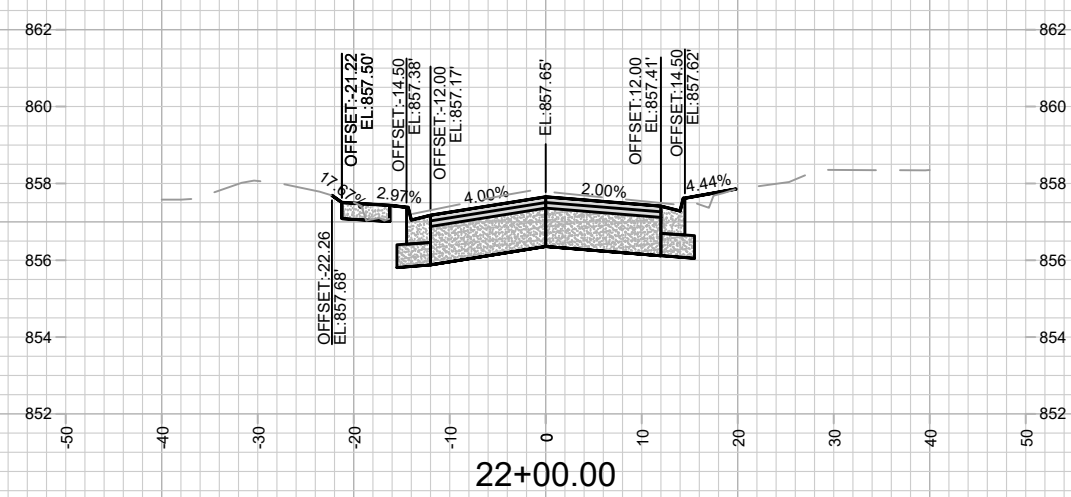
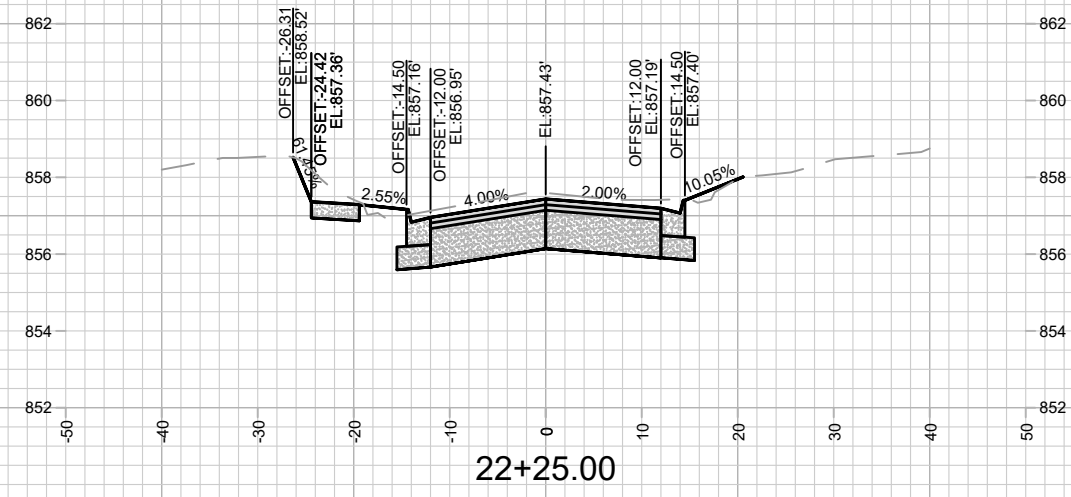
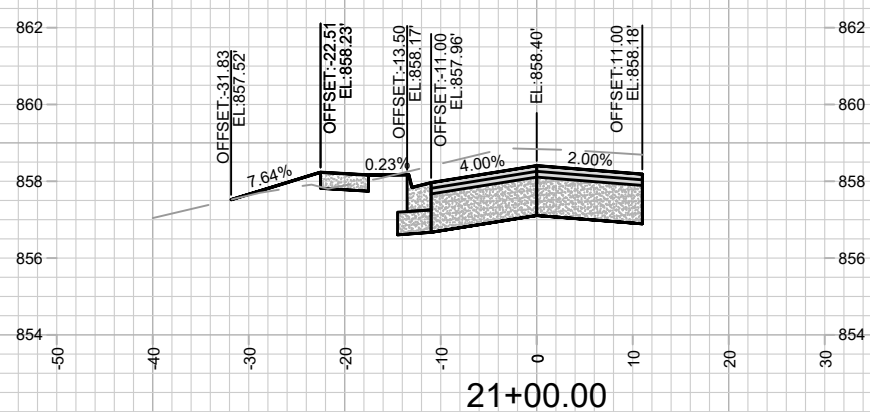
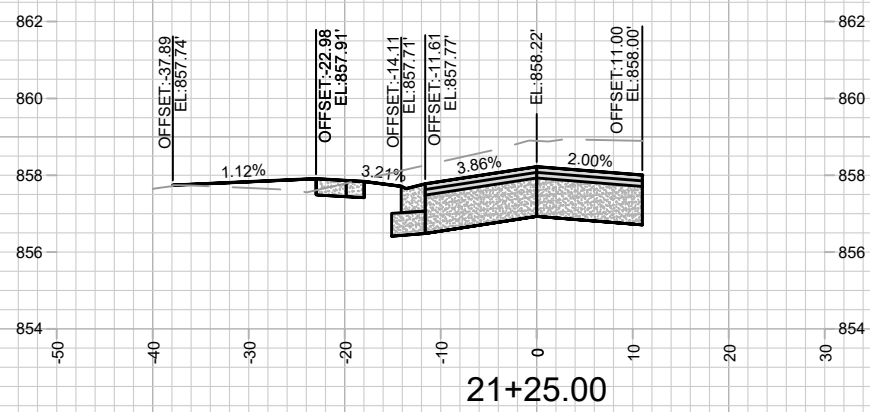
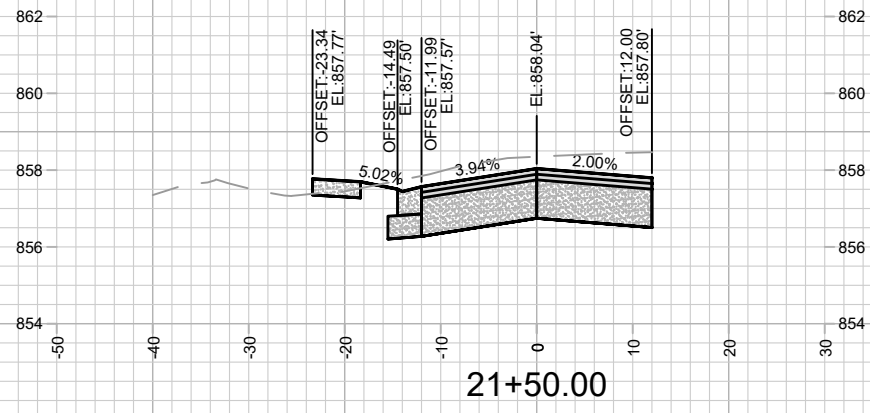
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14083  
MADISON, WI  
8743  
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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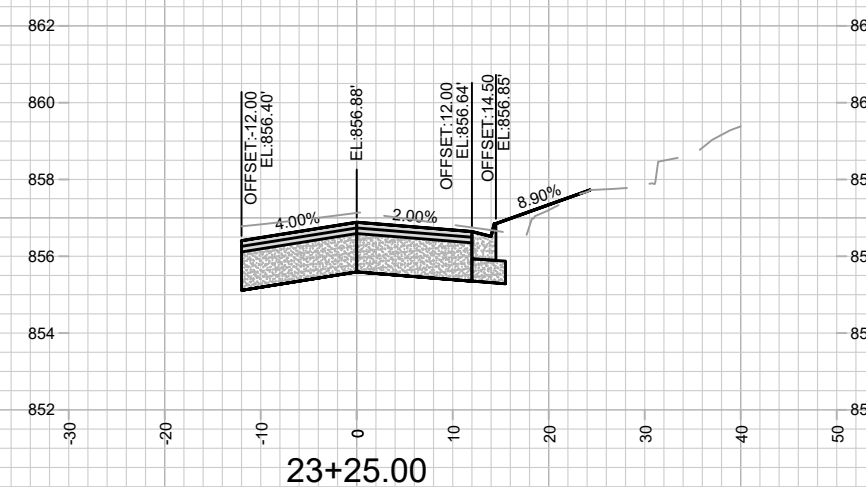
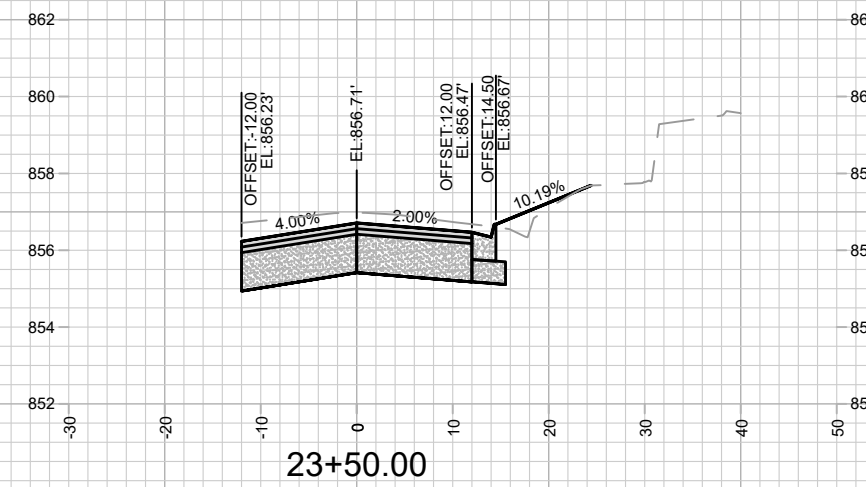
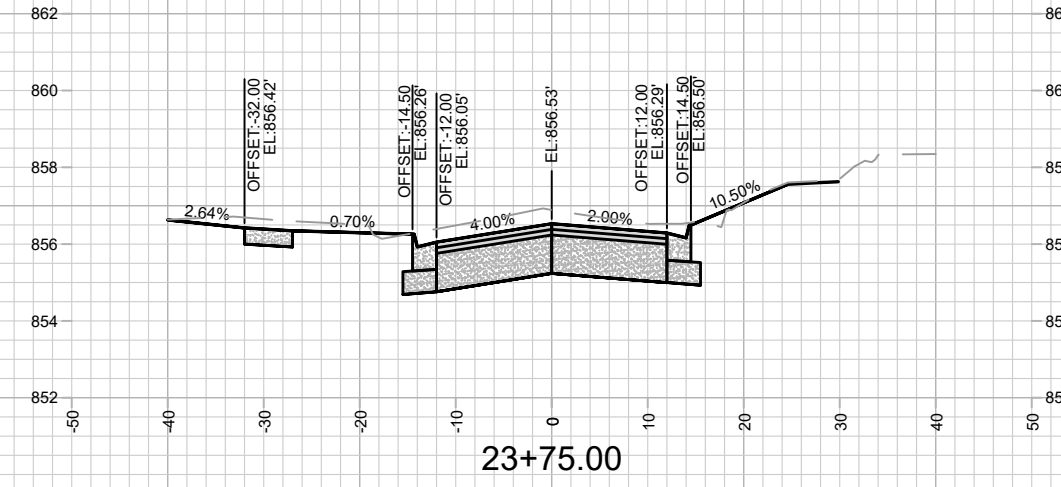
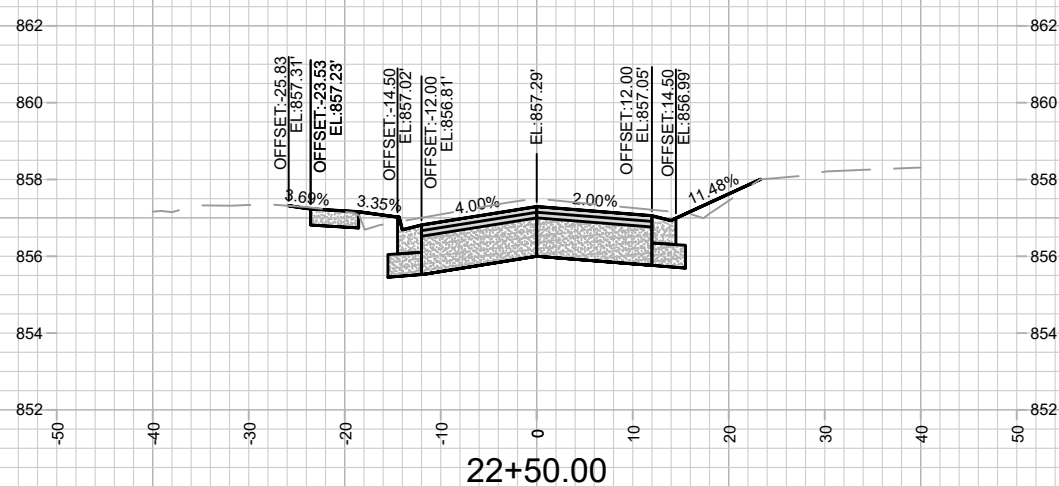
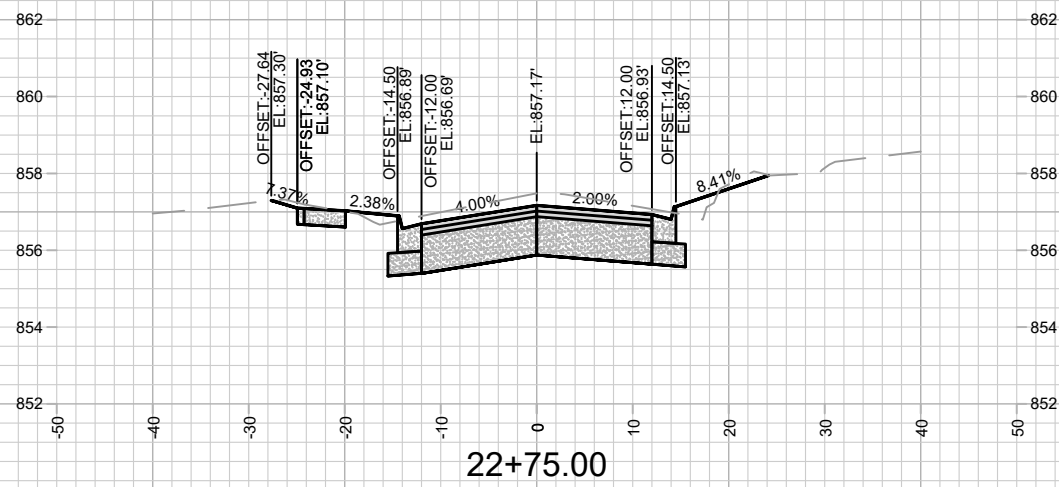
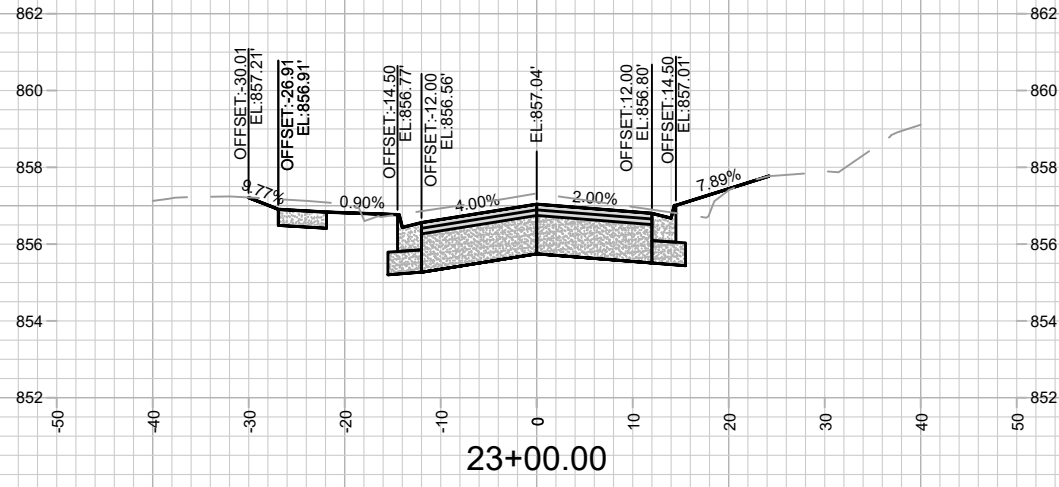
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14083  
MADISON, WI  
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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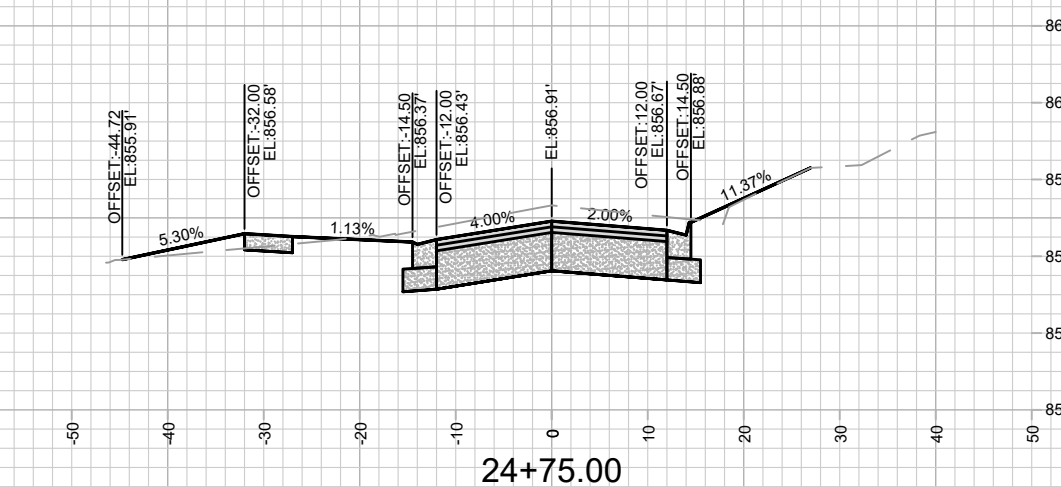
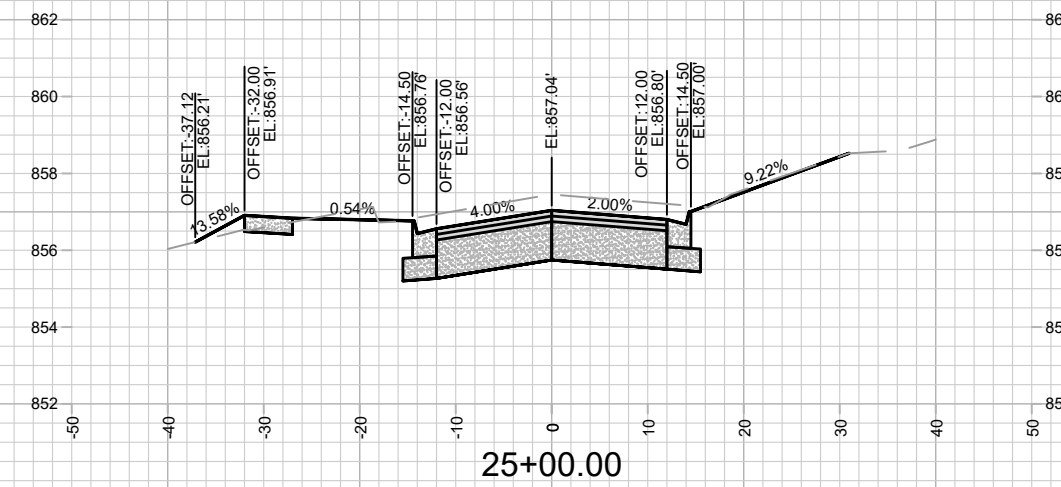
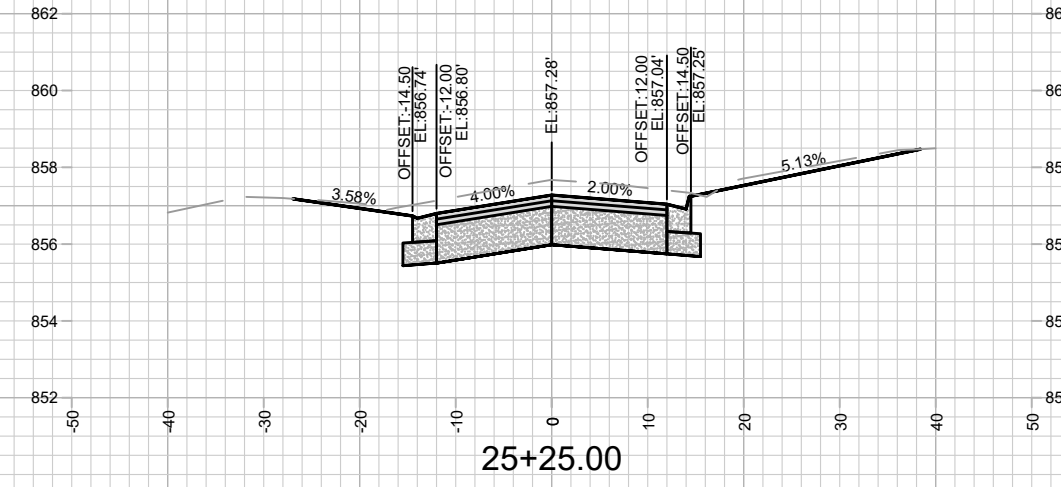
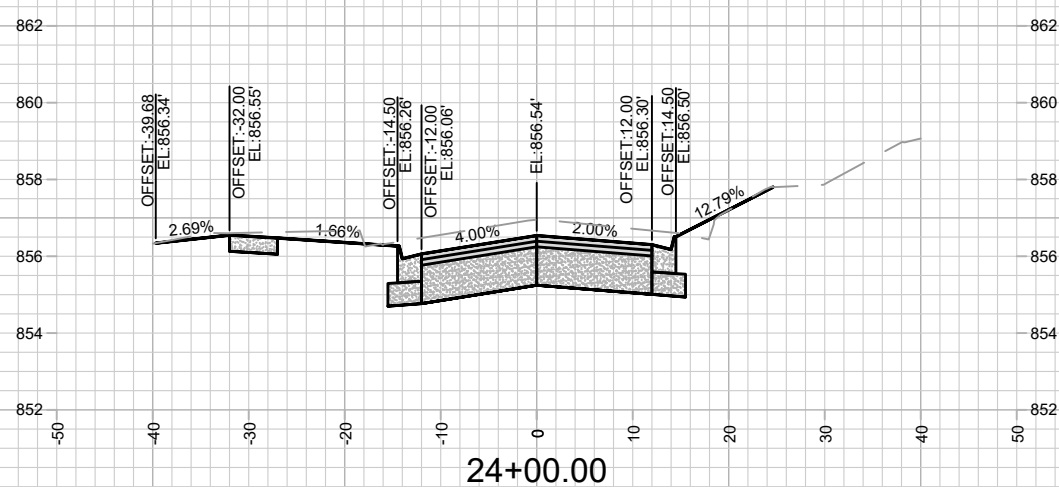
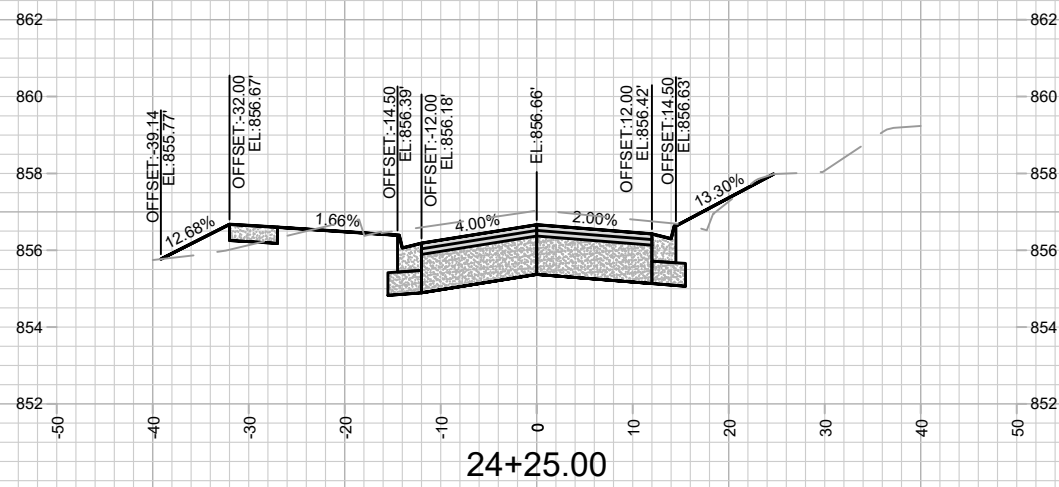
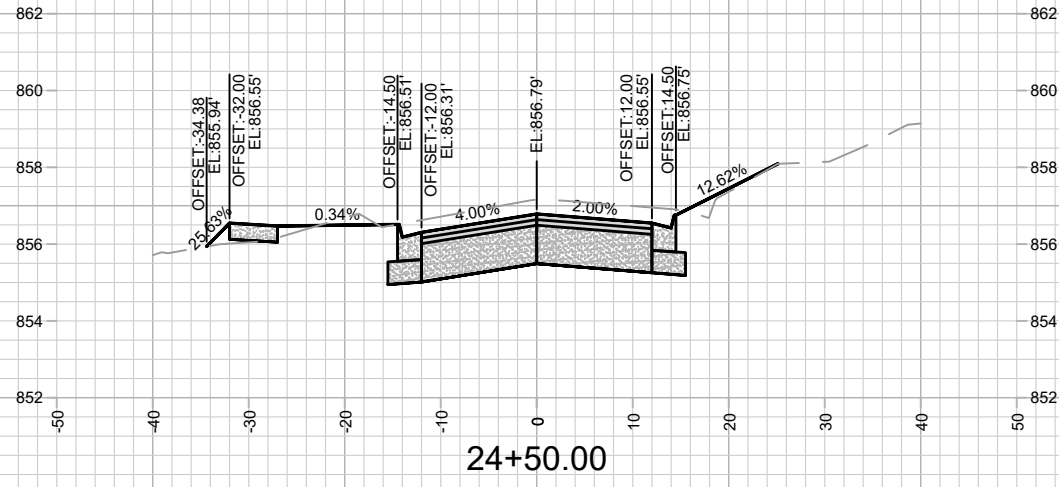
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Date: 2/6/2024 6:30 AM  
Scale: 1" = 20'

14083  
MADISON, WI  
8743  
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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Scale: 1" = 20'  
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X-11

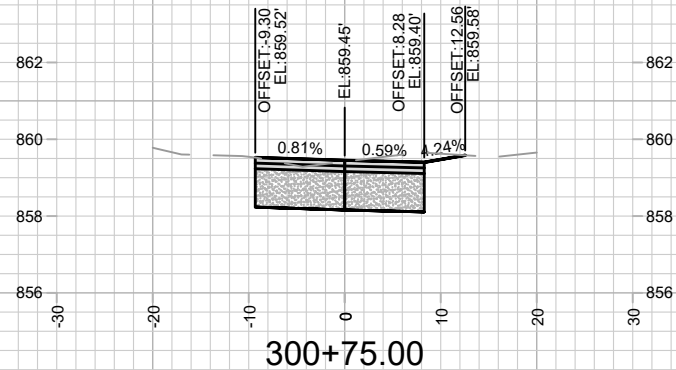
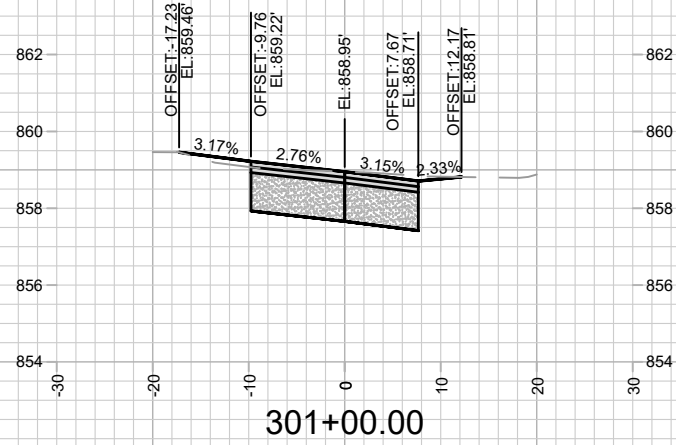
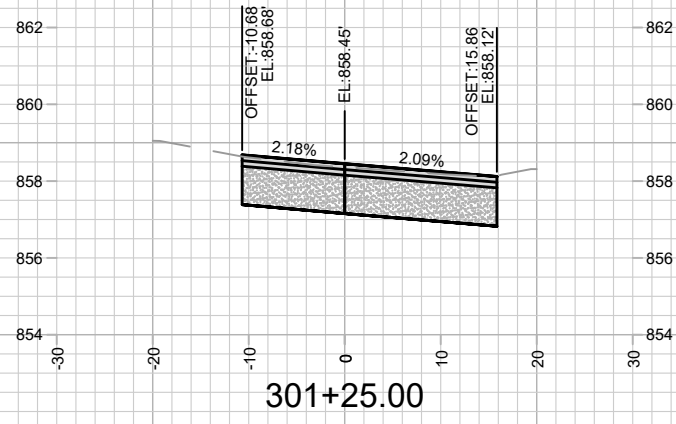
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MADISON, WI  
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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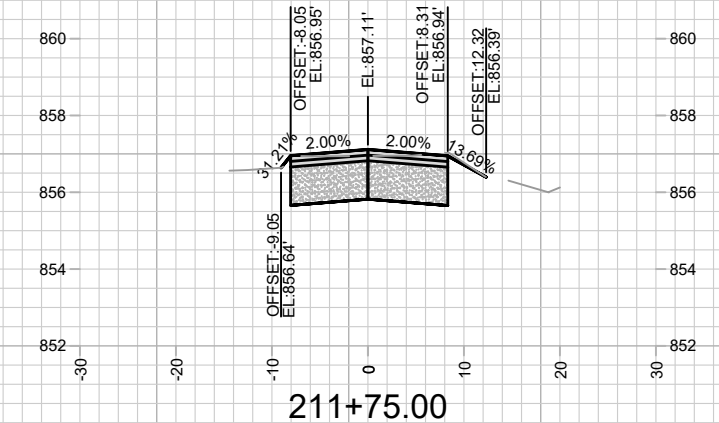
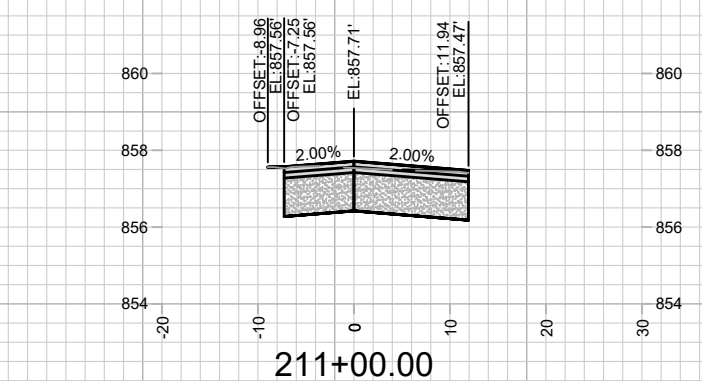
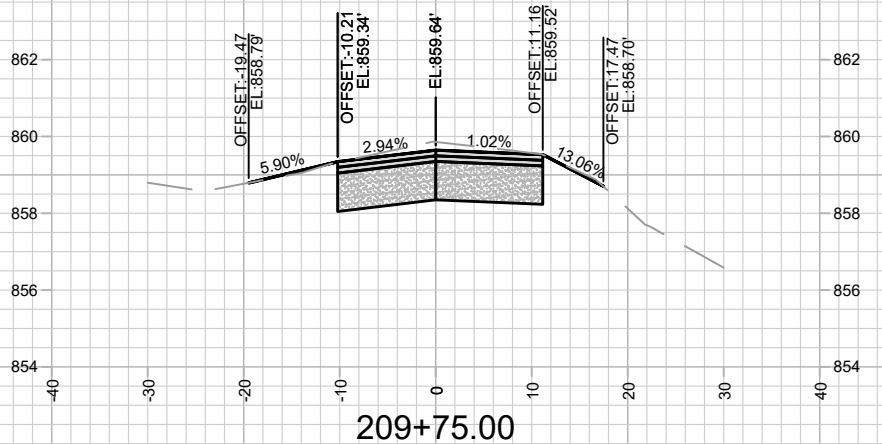
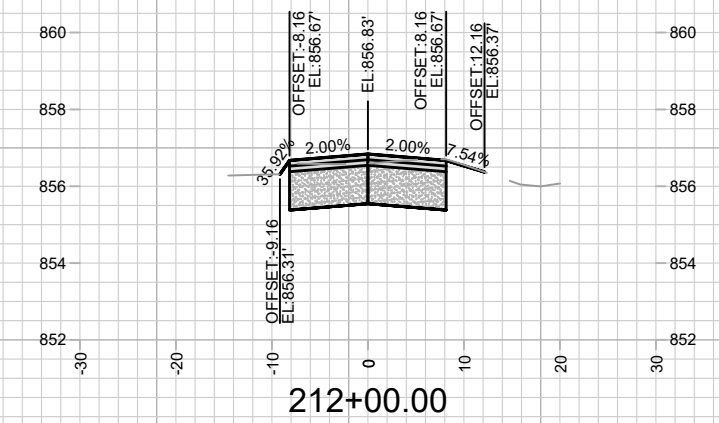
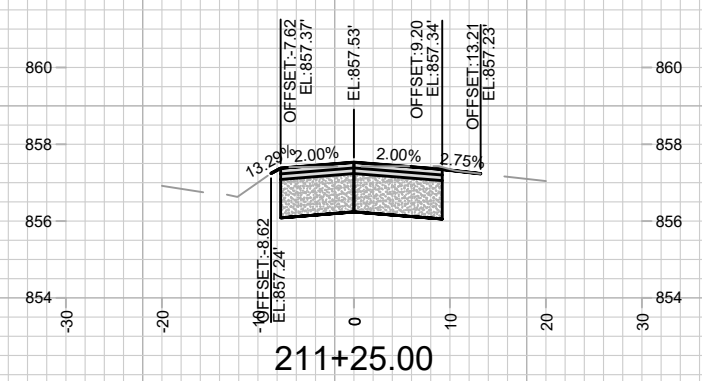
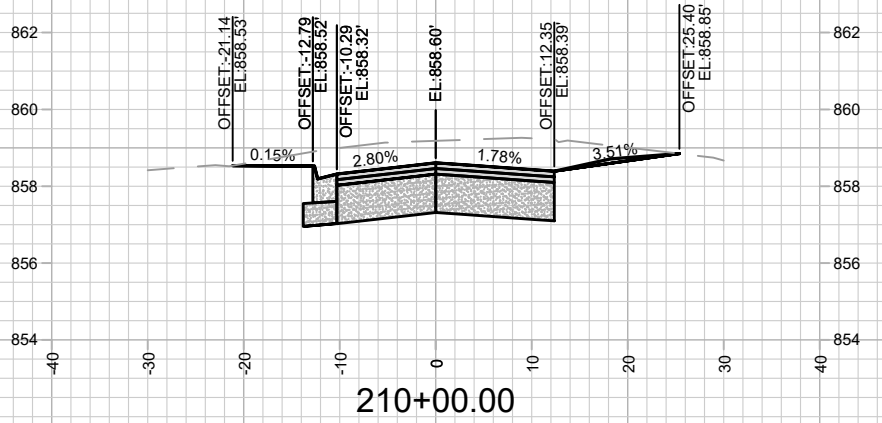
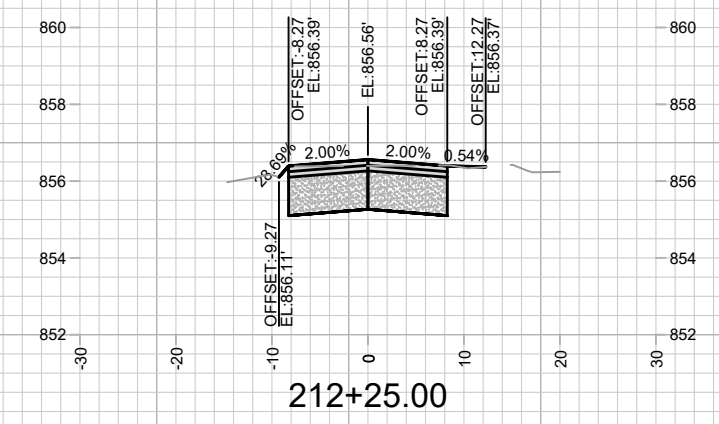
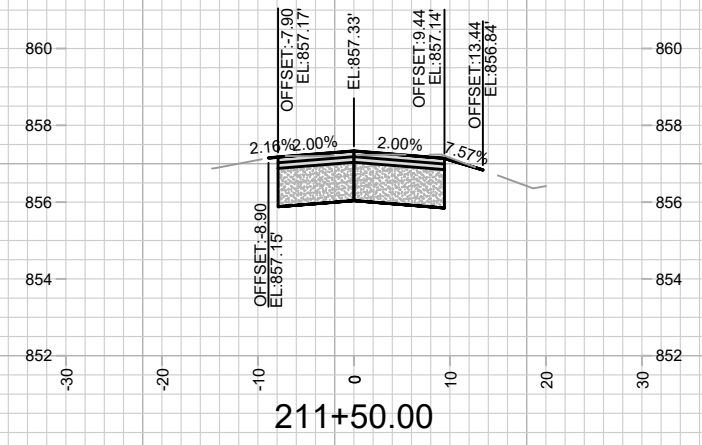
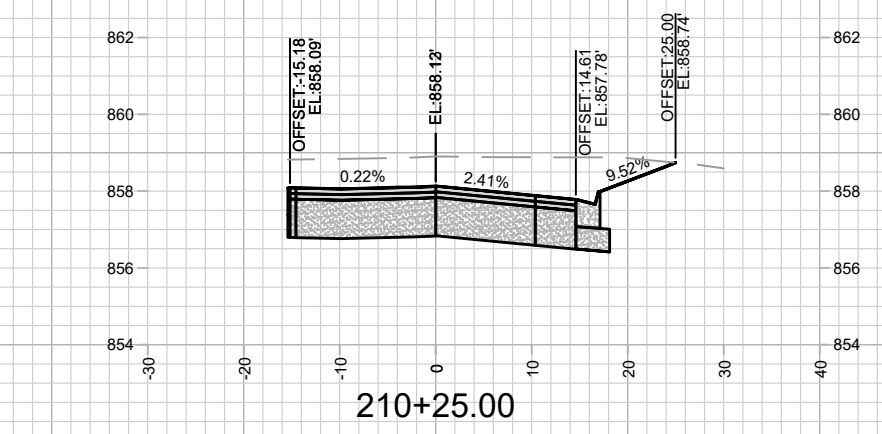
14083  
X-13

CLIFFORD COURT - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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MADISON, WI  
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| 14083 | Designed By: AJC | Date: 2/6/2024 6:30 AM | Scale: 1" = 20' |
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Date: 2/6/2024 6:30 AM  
Scale: 1" = 20'  
14083  
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14083  
MADISON, WI  
CONTRACT NO: 8743

NORMAN WAY - CROSS SECTIONS  
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

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X-14

SCALE 1" = 150'



**MAINTENANCE LEGEND:**

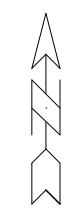
- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY)
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)

**SPECIAL FEATURES LEGEND:**

- = SUSPENDED PAVEMENT SYSTEM
- = STORM WATER FEATURE
- = UNDERDRAIN

- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

**NOT FOR CONSTRUCTION - CITY RECORDS ONLY**



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 8743  
 CONTRACT NO:

MAINTENANCE MAP  
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024  
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